

*Dearborn  
5951*

# HANDY MANUFACTURING COMPANY

Established 1908

---

M A N U F A C T U R E R S O F

Clamping Machinery  
Veneer Presses and  
**CLAMPS**

---

29 East Madison Street  
CHICAGO, ILLINOIS, U. S. A.

Factory: 4435-4449 W. Kinzie St.

## **"HANDY" PRODUCTS**

---

are guaranteed. They save you labor and are figured on a basis to give you the most for the money.

¶ We are constantly increasing our line. If this catalogue does not list your wants, write us, we may have it.

¶ Ask us NAMES of FACTORIES near YOU using "HANDY" PRODUCTS.



# **HANDY MANUFACTURING COMPANY**

Established 1908

---

---

M A N U F A C T U R E R S O F

**Clamping Machinery  
Veneer Presses and  
CLAMPS**

---

---

**29 East Madison Street  
CHICAGO, ILLINOIS, U. S. A.**

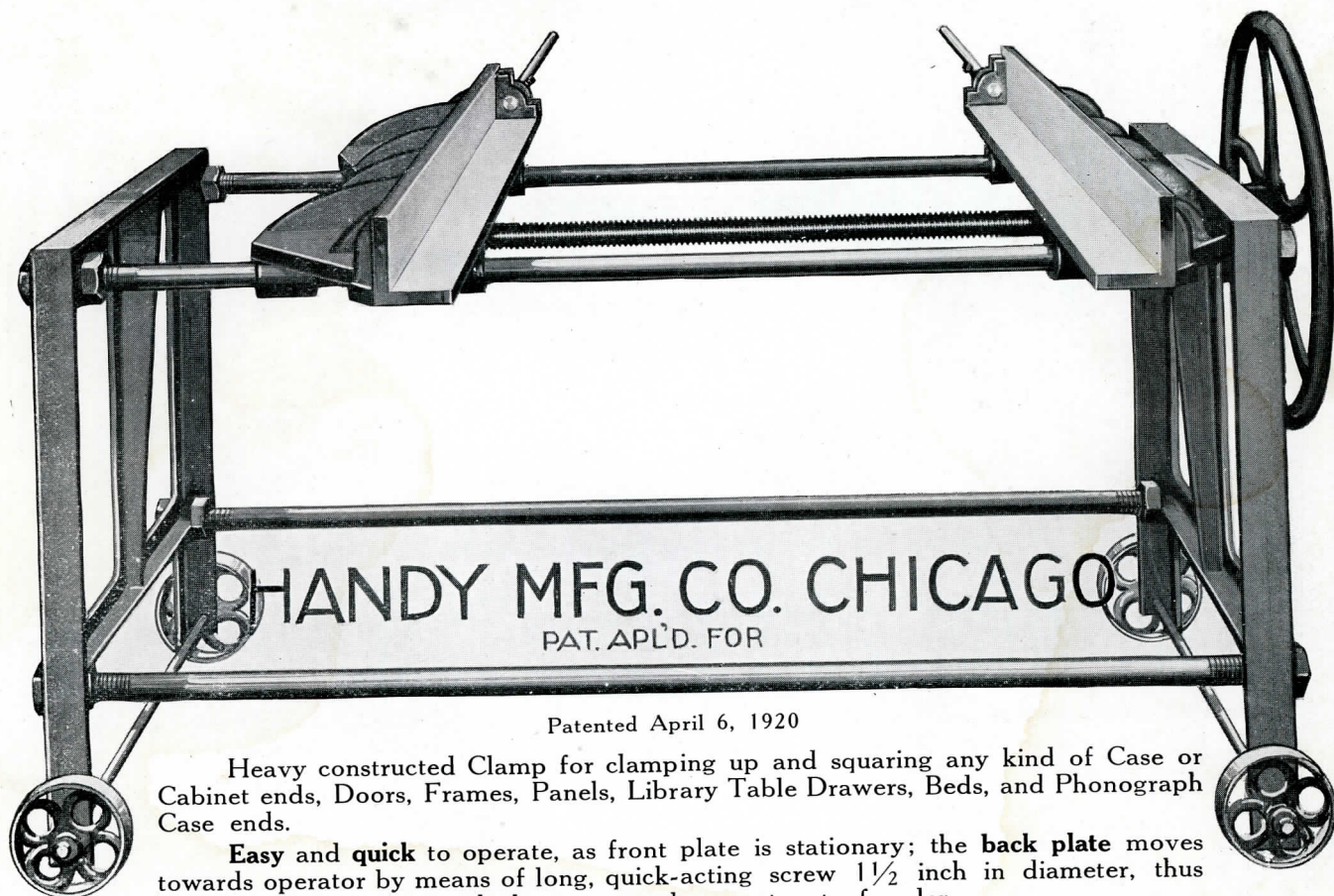
**Factory: 4435-4449 W. Kinzie St.**

**Catalogue No. 31**





## All Steel and Iron End Clamp



Patented April 6, 1920

Heavy constructed Clamp for clamping up and squaring any kind of Case or Cabinet ends, Doors, Frames, Panels, Library Table Drawers, Beds, and Phonograph Case ends.

**Easy and quick** to operate, as front plate is stationary; the **back plate** moves towards operator by means of long, quick-acting screw  $1\frac{1}{2}$  inch in diameter, thus doing away with stops, which sooner or later get out of order.

Top of wheel, which is 24 inches in diameter, is only 5 inches above top of front plate, making it easy for operator to place the stock and apply pressure.

Clamping plates are equipped with planed stops, giving an adjustment of 10 inches.

Clamping plates are  $3\frac{1}{2}$  inches high and will close up to 7 inches.

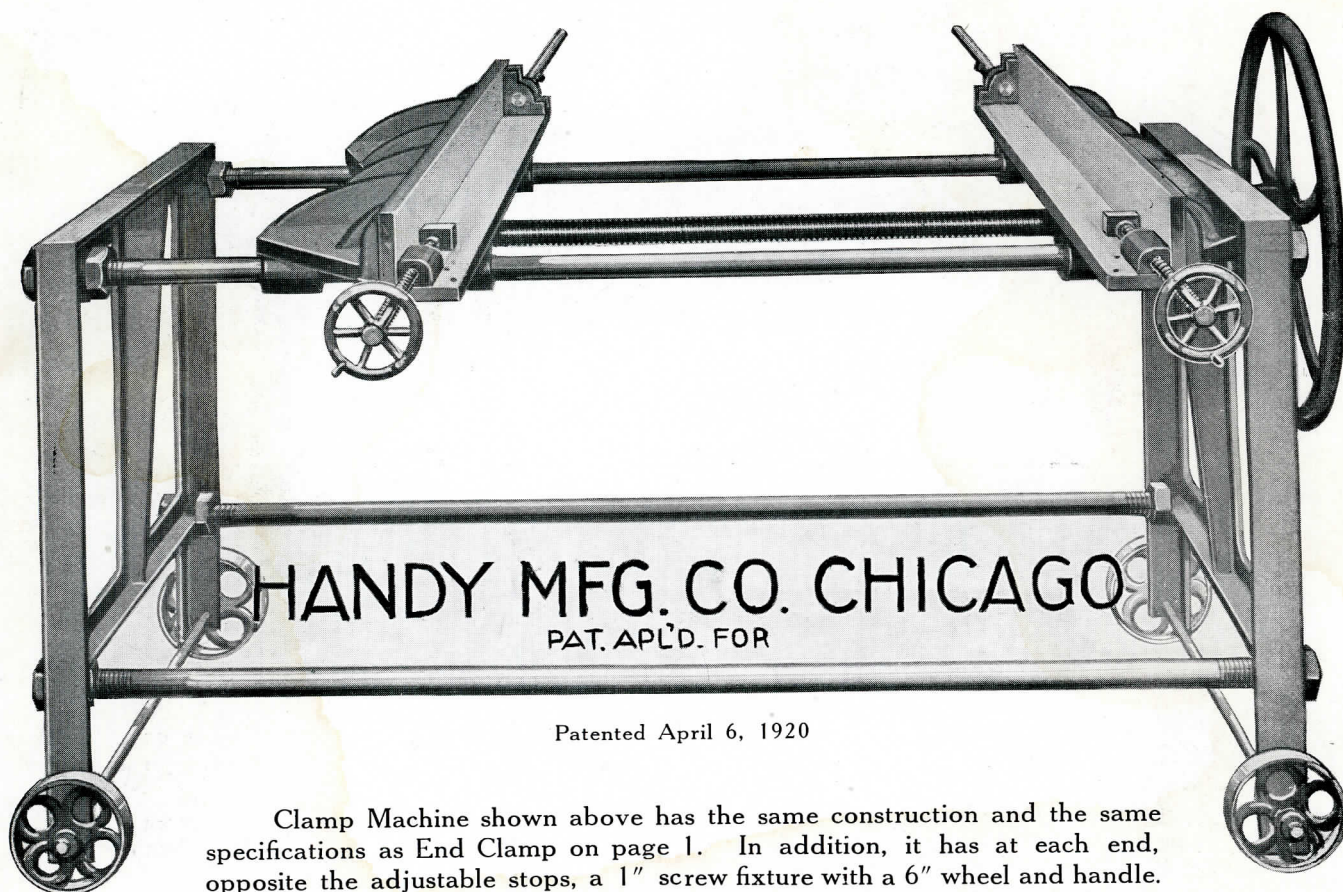
Machine No. 11 has Clamping plates 84 inches long from stops.

"	"	12	"	"	"	71	"	"	"	"
"	"	13	"	"	"	55	"	"	"	"
"	"	14	"	"	"	47	"	"	"	"
"	"	15	"	"	"	36	"	"	"	"

This machine will be made to open any distance desired. **Please specify distance when ordering.**  
Weight about 800 lbs.

If you desire a Clamp that **will absolutely square** your work, give **any pressure** desired and **stand up under heavy strain**, order the guaranteed "HANDY" End Clamp. **All "HANDY" Products are guaranteed.**

## All Steel and Iron End and Frame Clamp



Clamp Machine shown above has the same construction and the same specifications as End Clamp on page 1. In addition, it has at each end, opposite the adjustable stops, a 1" screw fixture with a 6" wheel and handle.

These fixtures can be moved out to edge of plate (see holes on cut), if needed, to get pressure in place desired. This arrangement makes this the best single machine for clamping up any kind of glass frames for cases, as there is hardly any need of wood shapes. As will be noted, we use this same arrangement on our Revolving Frame Clamp, on pages 26 to 29, inclusive.

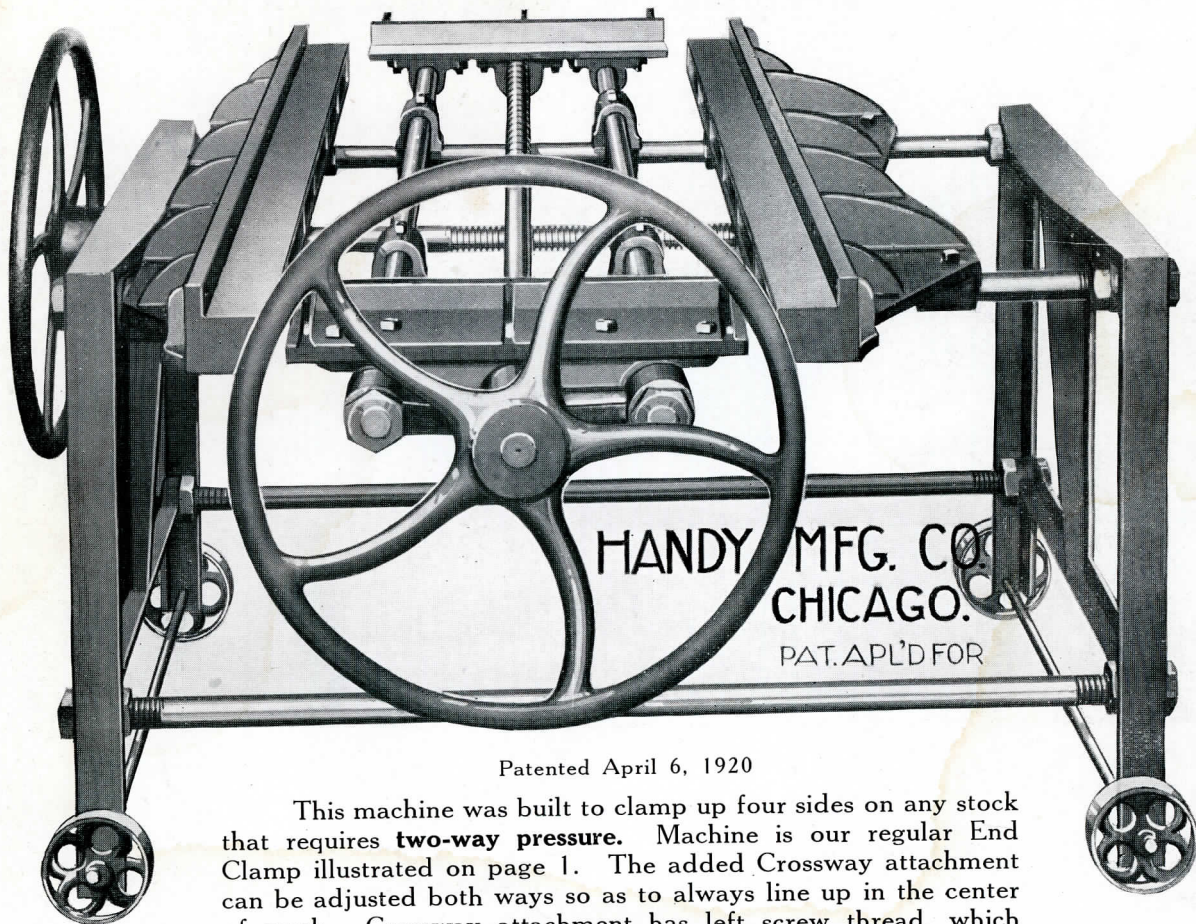
Machine No.	25	has	clamping	plates	84"	from	stops,	and	takes	in	79"	between	stop	and	screwplate.
"	"	26	"	"	"	71"	"	"	"	"	"	66"	"	"	"
"	"	27	"	"	"	60"	"	"	"	"	"	55"	"	"	"
"	"	28	"	"	"	47"	"	"	"	"	"	42"	"	"	"
"	"	29	"	"	"	36"	"	"	"	"	"	31"	"	"	"

In ordering, **specify the opening up desired.**

Weight about 800 lbs.



## All Steel and Iron Two-way End Clamp



Patented April 6, 1920

This machine was built to clamp up four sides on any stock that requires **two-way pressure**. Machine is our regular End Clamp illustrated on page 1. The added Crossway attachment can be adjusted both ways so as to always line up in the center of work. Crossway attachment has left screw thread, which makes it easy for operator to work both screws at one time. This machine should be used in almost every woodworking factory. We have customers using as many as ten machines.

Machine No.	20	has	large	clamping	plates	85	inches	long.
"	"	21	"	"	"	72	"	"
"	"	22	"	"	"	56	"	"
"	"	23	"	"	"	48	"	"
"	"	24	"	"	"	37	"	"

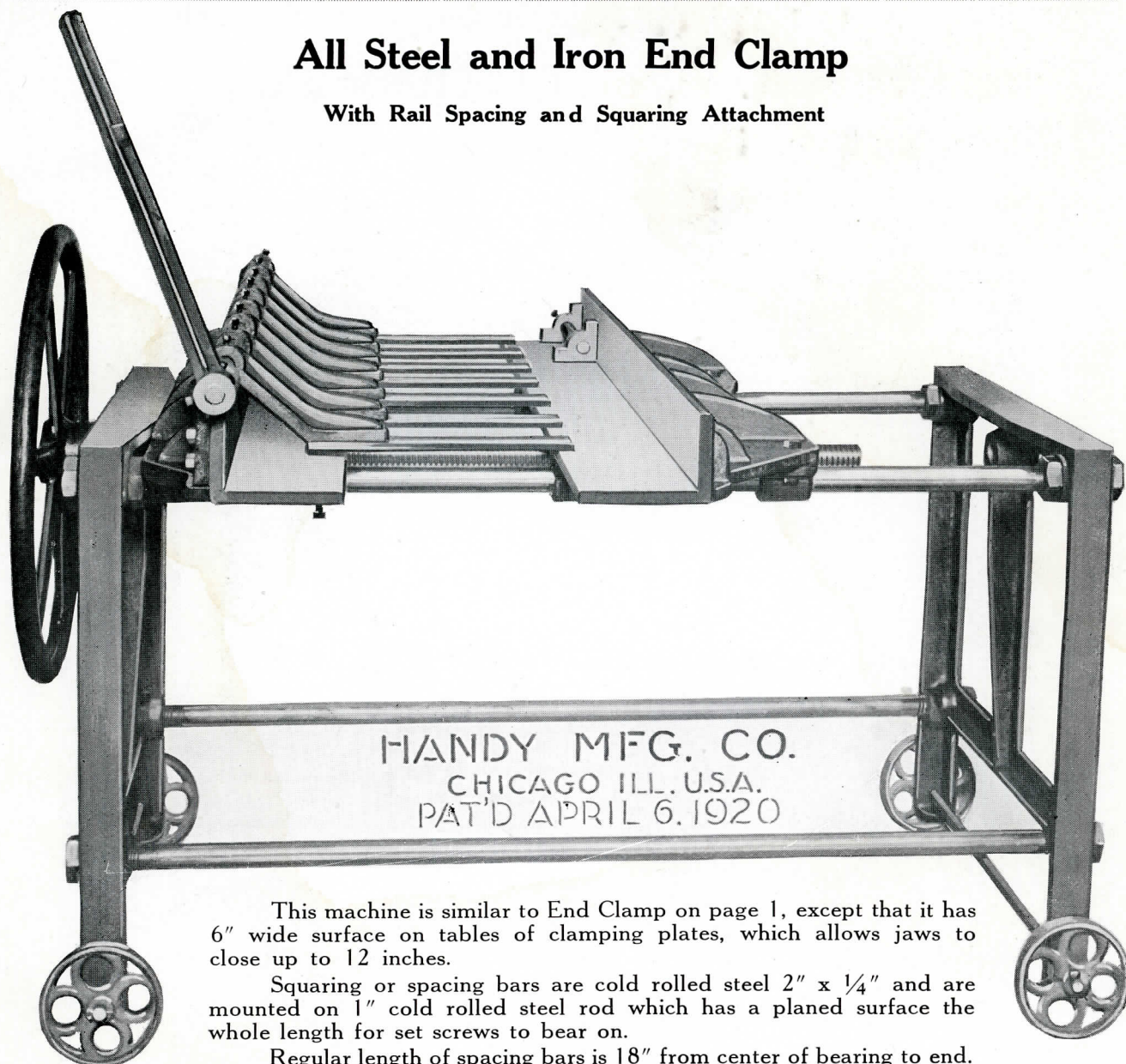
The short crossway clamping plates are made for above numbers, to take in the narrowest work. For instance, if your work should vary from 40" x 15" to 55" x 24", you would want machine No. 22 to open 24" with crossway clamp plates 14½" long to open 56".

When ordering, give maximum and minimum sizes of stock to be clamped. Weight about 1150 lbs.



## All Steel and Iron End Clamp

With Rail Spacing and Squaring Attachment



This machine is similar to End Clamp on page 1, except that it has 6" wide surface on tables of clamping plates, which allows jaws to close up to 12 inches.

Squaring or spacing bars are cold rolled steel 2" x 1/4" and are mounted on 1" cold rolled steel rod which has a planed surface the whole length for set screws to bear on.

Regular length of spacing bars is 18" from center of bearing to end.

Bars will swing out of the way by operating lever at end of rod.

Machine No. 16 has clamping plates 71" long from stops and has 7 spacers.

"	"	17	"	"	"	55"	"	"	"	"	6	"
"	"	18	"	"	"	47"	"	"	"	"	5	"
"	"	19	"	"	"	36"	"	"	"	"	4	"

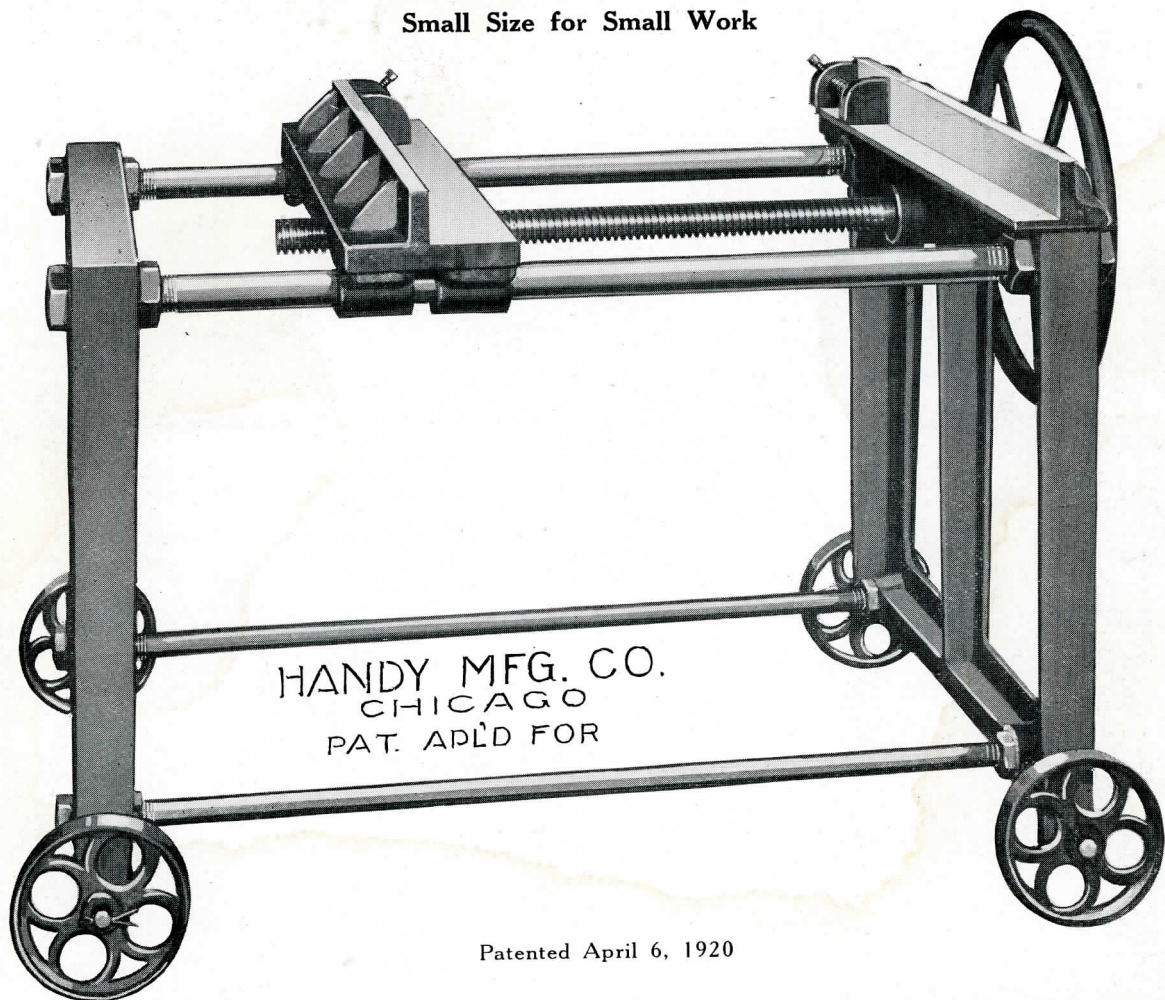
Weight about 900 lbs.

This machine will be made to open any distance desired. **Please specify distance when ordering.**



## All Steel and Iron End Clamp No. 30

Small Size for Small Work



Patented April 6, 1920

This machine is suited for small work not requiring our larger sizes, illustrated on page 1. Clamping jaws or plates are 27 inches long from stops and are 2 inches high and will open 32 inches and close to  $6\frac{1}{2}$  inches. Can be made to open more when specified. Wheel for tightening is 20 inches in diameter. Easy and quick to operate, as back plate moves towards operator by means of long Quick-Acting Screw  $1\frac{1}{2}$  inches in diameter, thus doing away with stops, which sooner or later get out of order.

This machine will absolutely square your work. It is extensively used for clamping up doweled, or tongued and grooved joint chair seats. Weight 430 lbs.

Machine No. 30.

## All Steel and Iron Drawer Clamp No. 40



Patented April 6, 1920

This **Drawer Clamp** is quick-adjusting, all steel and iron; will clamp and square work up to 23 inches in width and 10 inches in depth and will close up to 10 inches. This machine will be made to open any distance desired. **Please specify distance when ordering.** Front plate is stationary. Back plate is operated by quick-acting 1½-inch screw, thus eliminating unreliable stops, which sooner or later get out of order.

Edges on clamping plates are planed, so that drawers with lips or stops projecting, can be clamped without using fillets on sides.

Clamping Plates are equipped with planed stops, giving 6-inch adjustment.

Wheel for applying pressure is 28 inches in diameter.

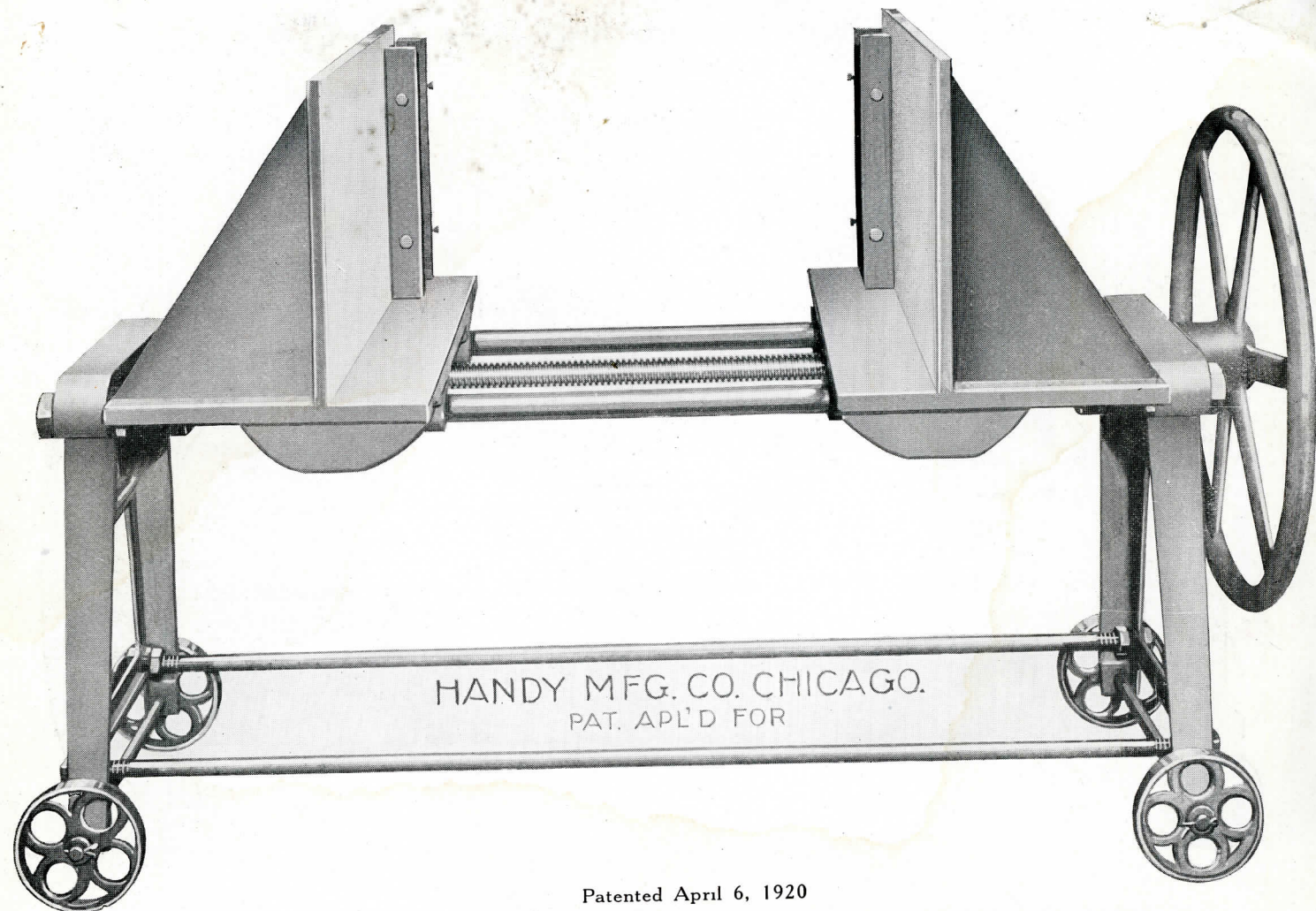
This machine gives added speed, durability and accuracy .

Weight 700 lbs. Machine No. 40.



HANDY MANUFACTURING CO., CHICAGO, ILL., U. S. A.

## All Steel and Iron Drawer and Cabinet Clamp No. 50



Patented April 6, 1920

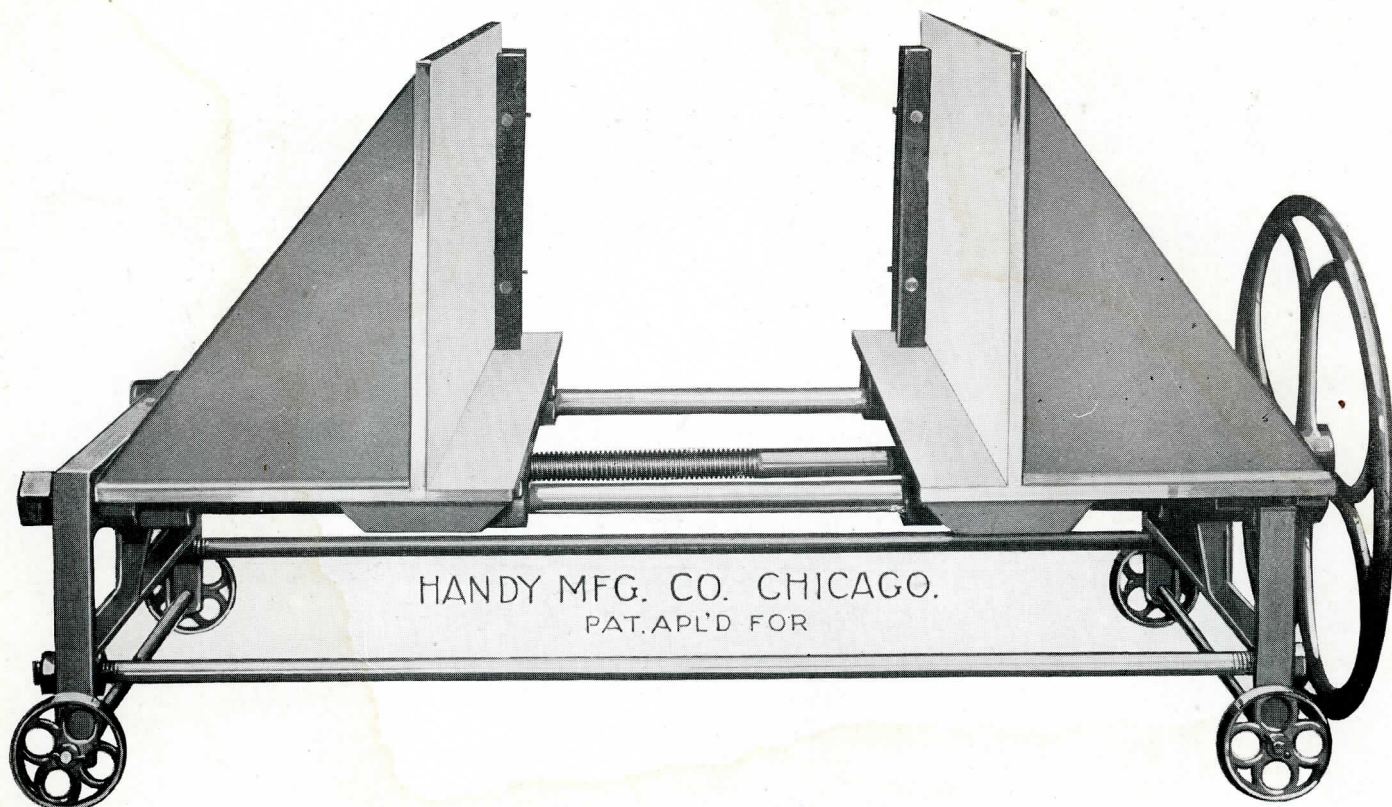
This machine opens up to 30" and closes to 10". Can be made to open more when specified. Clamping plates are 30" wide from stops and 15½" high. Front plate is stationary. Back plate is operated by quick-acting 1½" screw running the length of machine, so that in changing from one size to another all that is needed is to revolve the wheel and plate will close or open to required distance. This method does away with unreliable stops, which sooner or later get out of order.

Clamping plates have stops giving an adjustment of 10". Wheel for applying pressure is 28" in diameter. Weight 950 lbs.

Machine No. 50.

## All Steel and Iron Drawer and Case Clamp No. 60

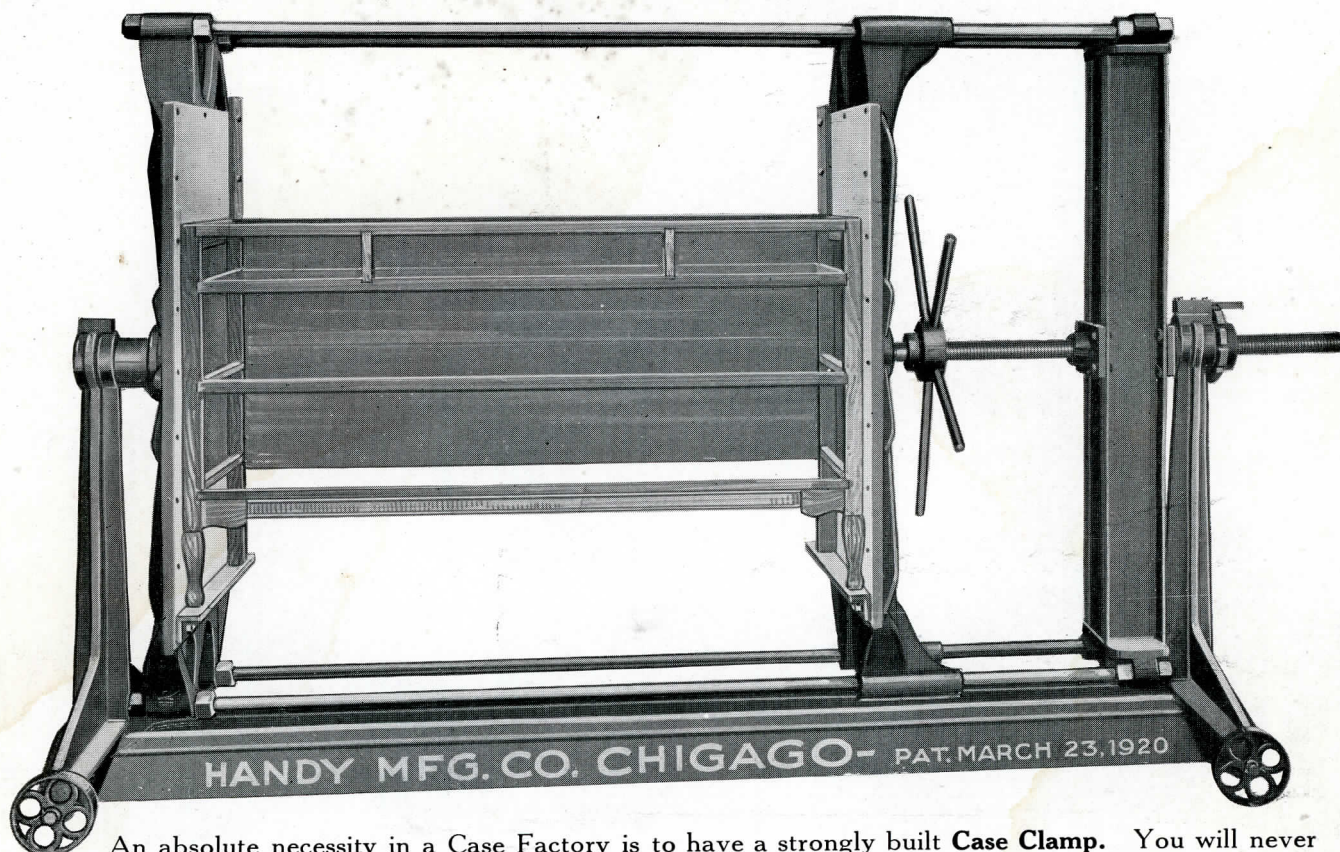
Patented April 6, 1920



Heavy constructed Clamp for Cases, Drawers or Cabinets to fill the demand where our Case Clamps on pages 9, 10 and 11 are not desired. This machine opens up to 30" and closes to 10". Can be made to open more when specified. Clamping plates are 45" wide and 24" high. Front plate is stationary. Back plate is adjusted backward and forward by turning the wheel, which is 35" in diameter. This operates a quick-acting screw which has a diameter of 2" running the length of machine. Clamping plates are equipped with stops having an adjustment of 15". Weight 2600 lbs. Machine No. 60.



## Revolving all Steel and Iron Case Clamp



An absolute necessity in a Case Factory is to have a strongly built **Case Clamp**. You will never know the merits of a "Handy" Case Clamp until you install one.

**You will save** the time it takes to set and adjust the old-type clamp, as the "Handy" requires no adjusting.

This Clamp is now used by 80% of the furniture manufacturers and is considered **standard equipment**.

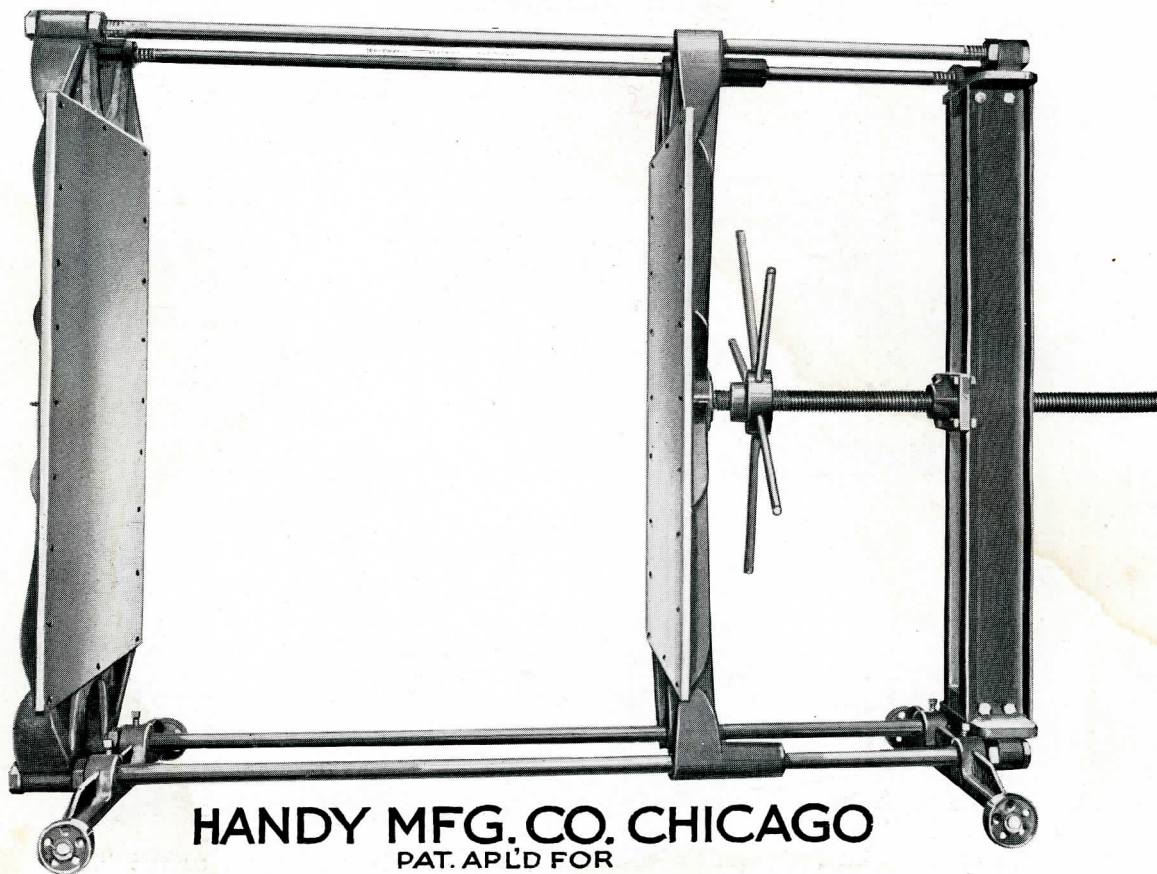
"Handy" Revolving **Case Clamp** will absolutely square your cases, as **back plate is stationary** and will not give. Planed surfaces on plates are 48" x 27" and each has  $\frac{3}{8}$ " holes drilled 5" apart on all four sides, for bolting on the wood stops and platform. Distance between upper and lower rods is 59 $\frac{3}{4}$ ". Pressure is applied by quick-acting 2" diameter screw. After clamping the case, revolve it to any angle to allow operator to work on either front, back or bottom. Sprocket wheel for applying pressure is 35" in diameter, giving great pressure with little effort.

We also make this clamp with planed surface 56 $\frac{1}{4}$ " x 26" and to measure 66 $\frac{1}{4}$ " between upper and lower rods, so as to accommodate higher cases. Add an additional cost of \$30.00 to each list price.

Machine No.	69	will open up	78"	and close to	25".
"	70	"	72"	"	20".
"	71	"	60"	"	15".
"	72	"	30"	"	15".

Prices on list are without platforms. For steel platforms add \$10.00. Weight about 1950 lbs.

## Stationary all Steel and Iron Case Clamp



**HANDY MFG. CO. CHICAGO**  
PAT. APPL'D FOR

Patented March 23, 1920

For any Case assembling where the revolving feature is not needed. This machine has the same specifications and construction as machine on opposite page, except that it does not revolve.

Machine No. 79 will open up to 78 inches and close to 25 inches.

Machine No. 80 will open up to 72 inches and close to 20 inches.

Machine No. 81 will open up to 60 inches and close to 15 inches.

Machine No. 82 will open up to 30 inches and close to 15 inches.

Weight about 1300 lbs.



## Revolving all Steel and Iron Case Clamp with Attachments



Patented March 23, 1920

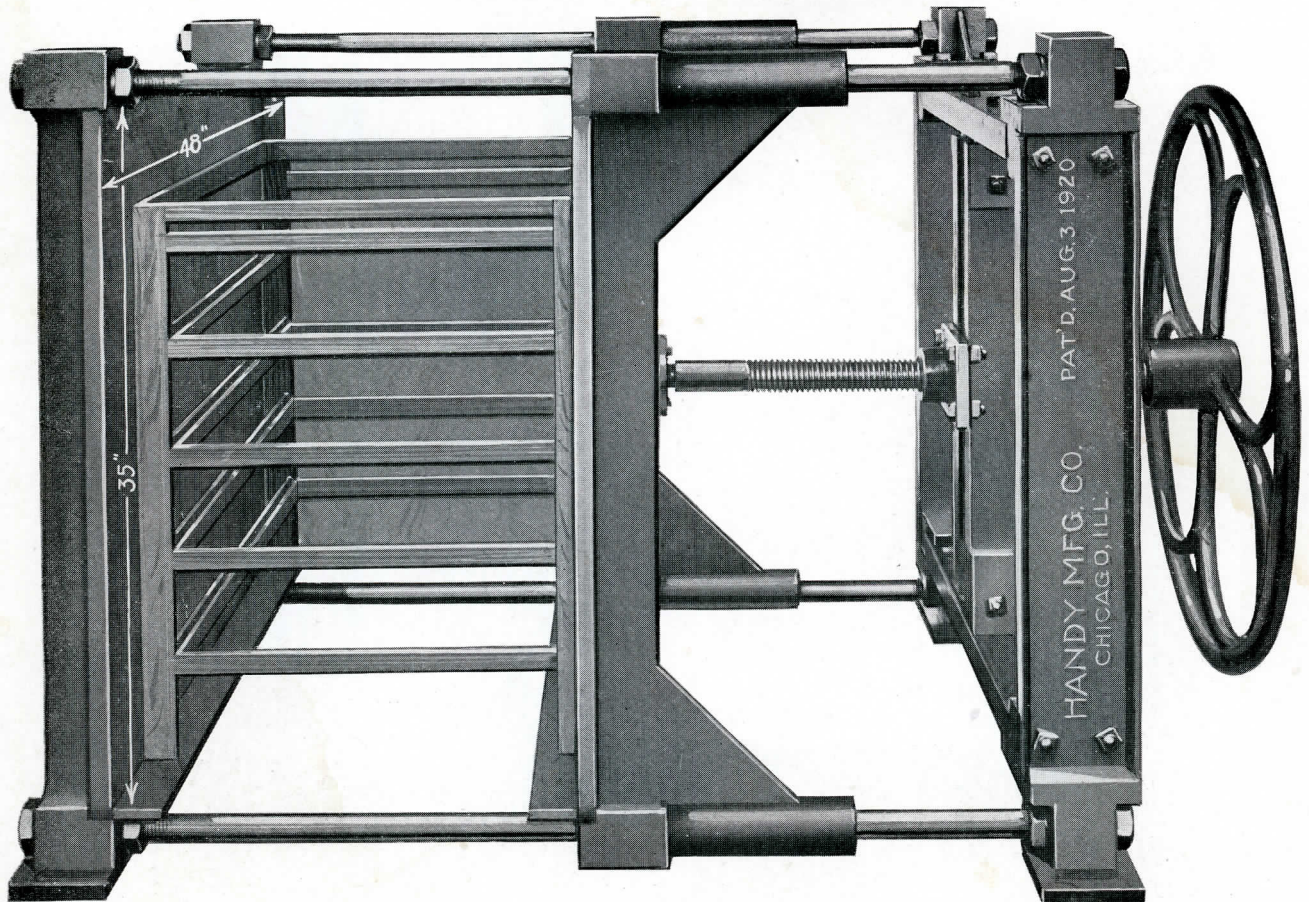
This shows machine same as on page 9, but equipped with steel platform and also an adjustable pressure screw on top, to be used mainly by phonograph cabinet manufacturers for clamping on the top frame on cabinets at the same time as the case is being clamped.

No. 90. If steel platforms as shown above are desired on any size illustrated on pages 9 and 10, add \$10.00 to list price.

No. 91. If one or more top pressure screw attachments are desired as shown above, add \$20.00 for each to list price.

No. 92. If larger size planed surface than 48"x27" is desired, we can furnish with planed surface 56"x28" at an additional cost of \$15.00 to list price.

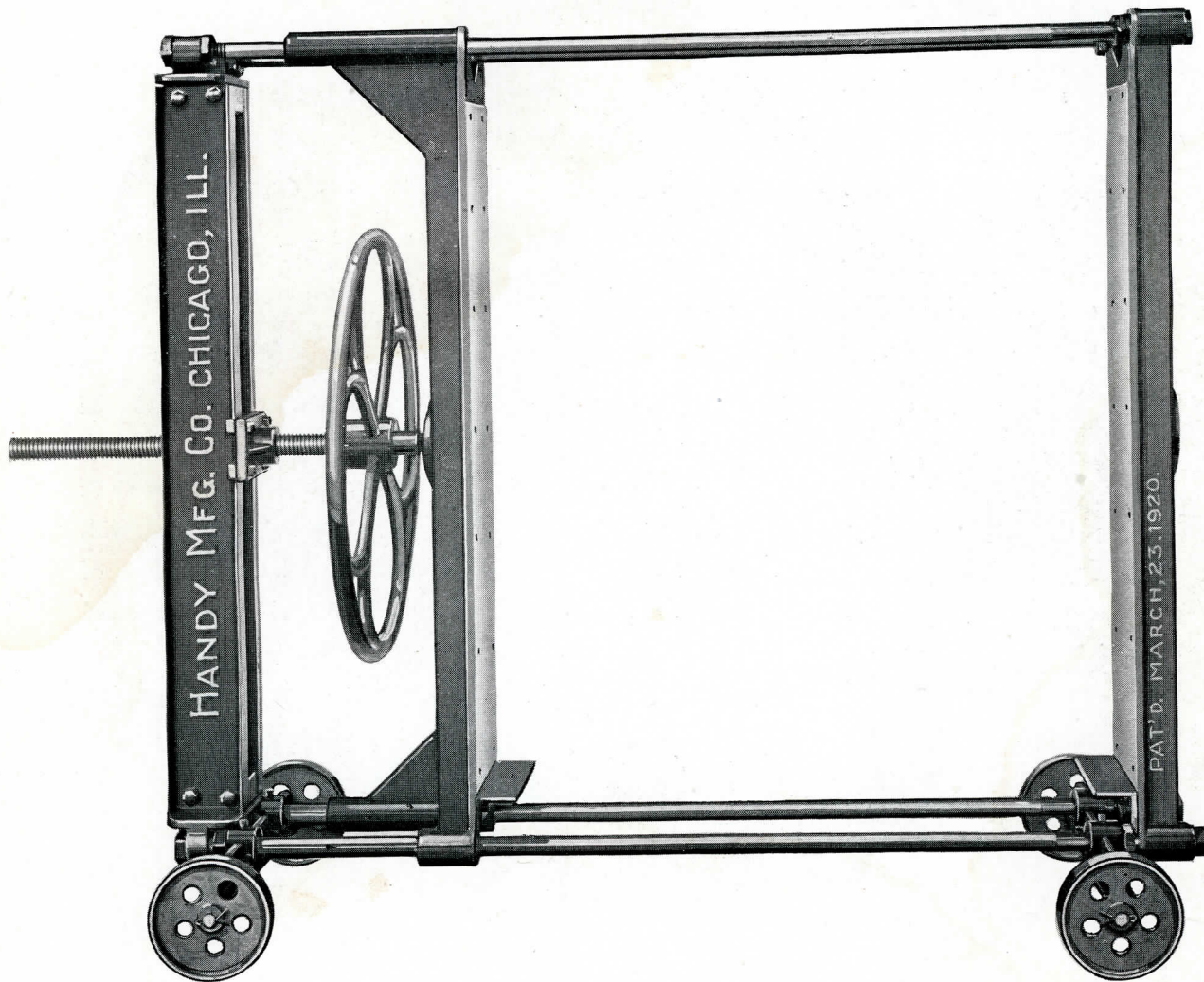
## Stationary All Steel and Iron Case Clamp No. 94



This Stationary Case Clamp is built close to the floor so that no lifting is necessary in placing work on the platforms and is best suited for work such as kitchen cabinets and desk ends. Clamping plates have a planed surface 48"x35", see measurements on cut. We furnish clamp to open up any distance specified between plates. Pressure screw is 2" in diameter and wheel for applying pressure is 35" in diameter. Weight about 2100 lbs. Machine No. 94.

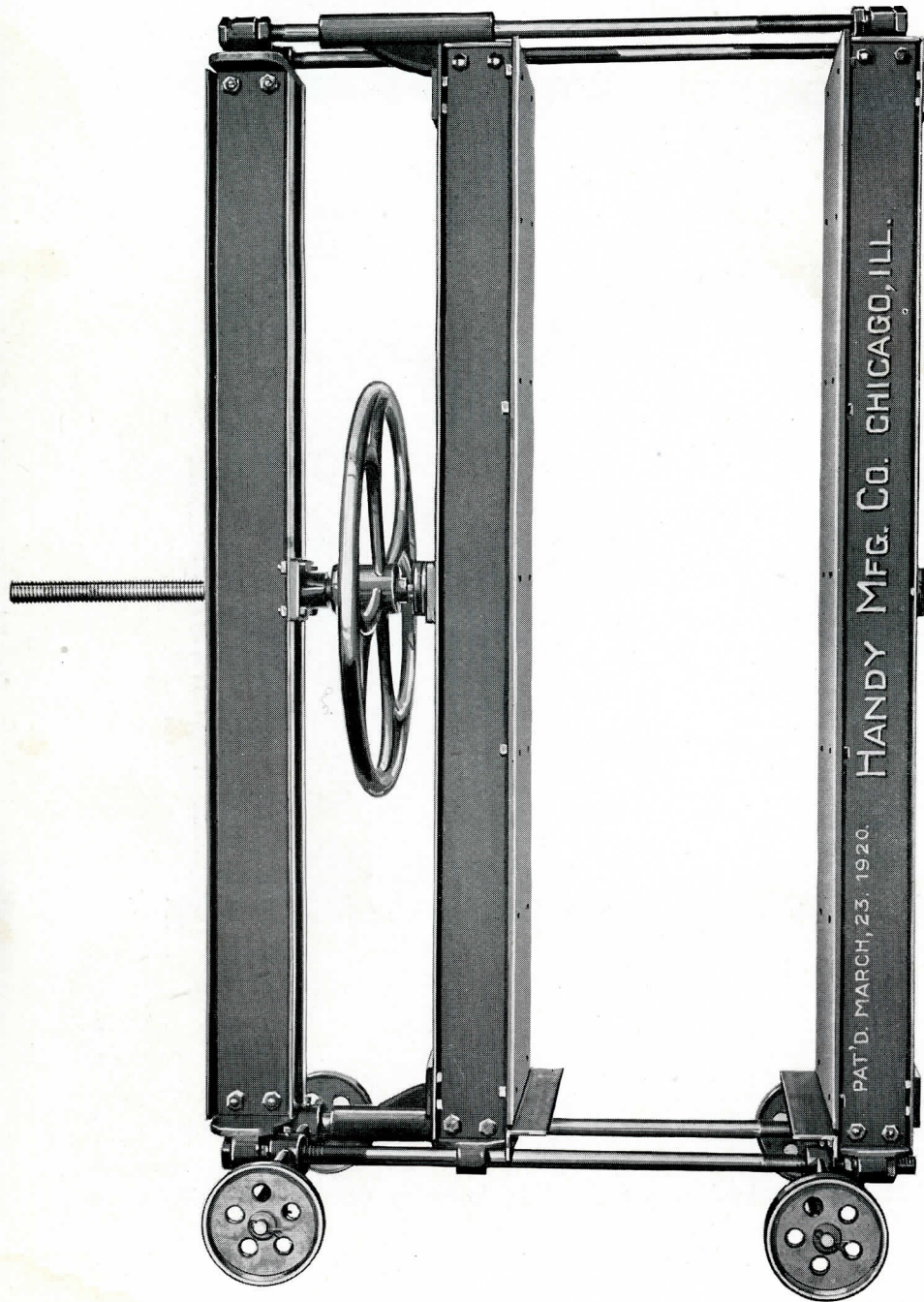


## Stationary All Steel and Iron Case Clamp No. 95



This Stationary Case Clamp is smaller in size than one shown on page 10 and is better adapted for work such as top cabinet on kitchen cabinets, book cases, etc., where the revolving feature is not needed. Planed surface is 52"x12" and standard size takes 54" between plates. Weight about 1200 lbs. Machine No. 95.

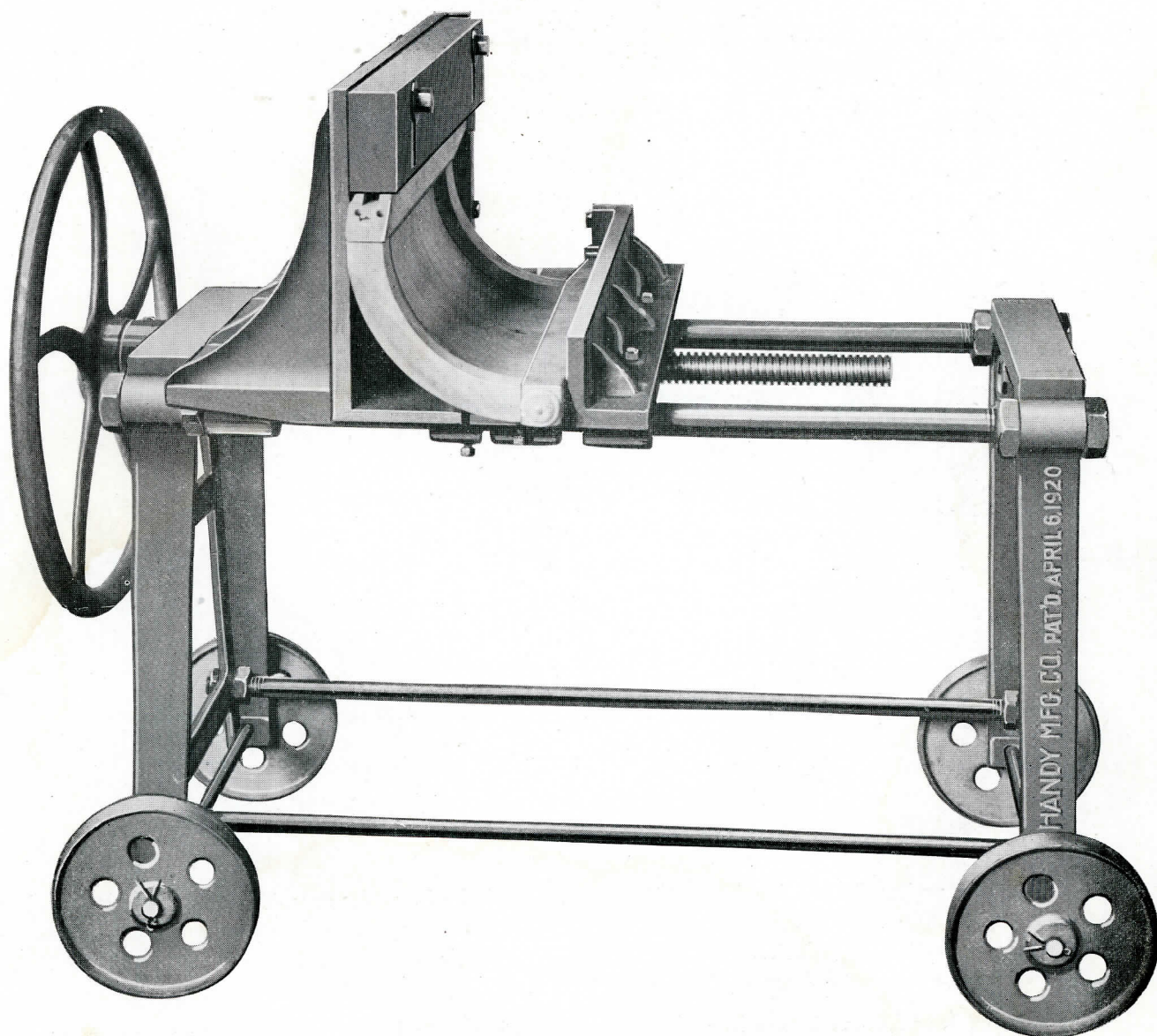
## Stationary All Steel and Iron Case Clamp No. 96



This Stationary Case Clamp is similar to the one shown on page 13 except that surface of plates is 85 $\frac{1}{4}$ "x21" with standard size opening of 48". This clamp is suited for built-in cabinets or any other work requiring a clamp of this height. Weight about 1700 lbs. Machine No. 96.

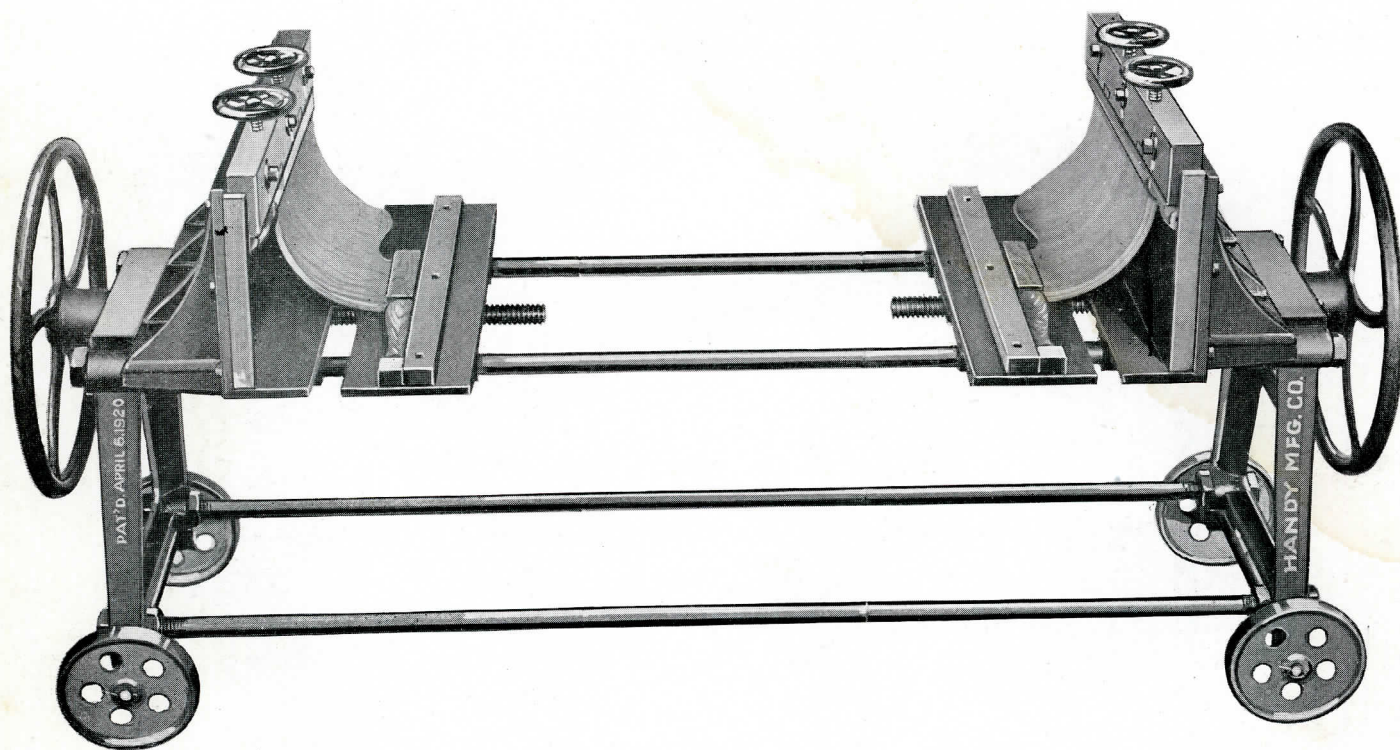


## All Steel and Iron Bow Clamp No. 103



This Bow Clamp to clamp up the bows for Bow End Beds before assembling, or any work within its capacity; opens up 22" and closes to 8 $\frac{1}{4}$ ". Clamp plates are 28" long from stops. The high clamp plate is 11 $\frac{1}{4}$ " high from stop when same is all the way up and stop is adjustable downwards 3". The low clamp plate is 3 $\frac{1}{4}$ " high. The high plate is stationary and small plate is operated by quick-acting 1 $\frac{1}{2}$ " cold rolled screw, thus doing away with stops. Wheel for applying pressure is 24" in diameter. Weight about 560 lbs. Machine No. 103.

## All Steel and Iron Double Bow and Bow End Bed Clamp No. 104



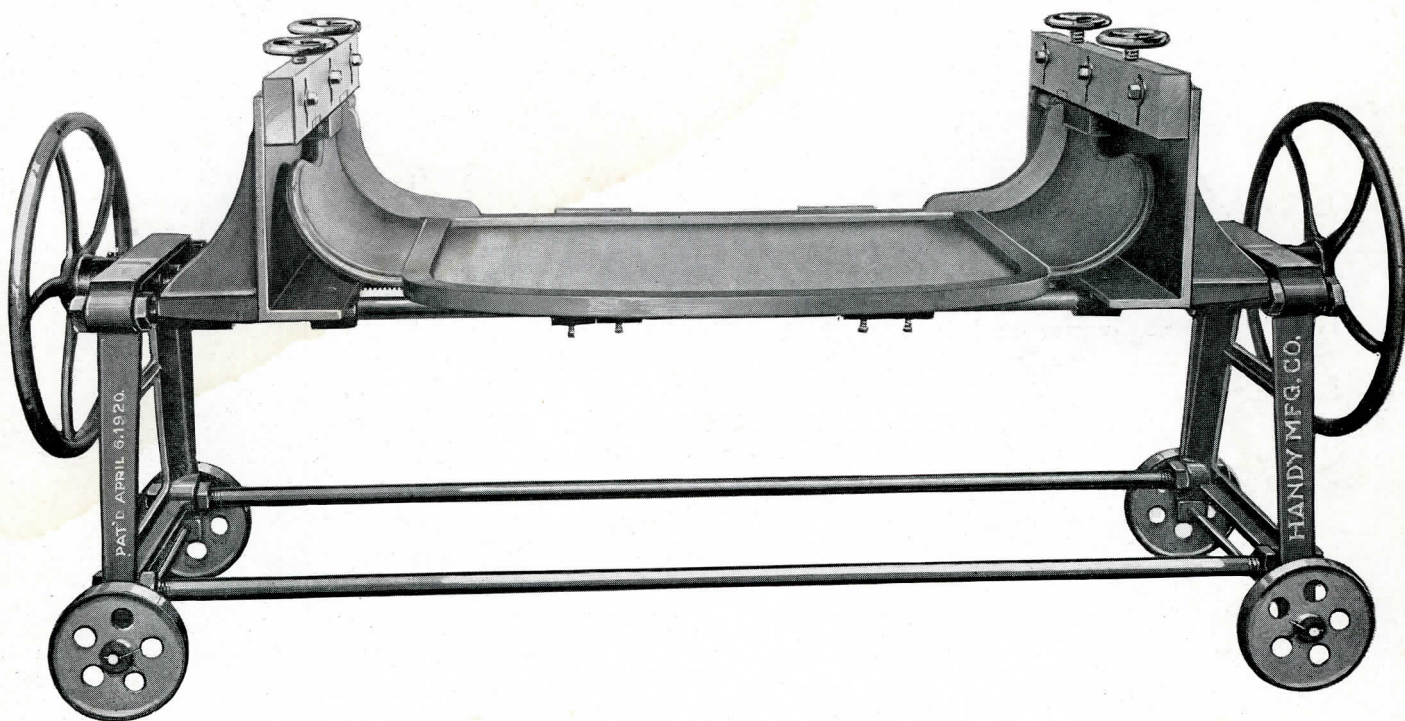
This quick acting Clamp for Clamping up **Bow End Beds** with or without Center Posts, has proven a great labor saver. In changing from Clamping Bows only, to clamping up the entire assembly, if two operations are desired, all operator has to do is to remove the two low Jaws on small plates. It can be operated from either end.

We have found, that in sanding the posts, there is apt to be irregularity, on account of which, some of the Joints would not come up at certain points when applying the large wheel for pressure, so we have added two pressure screws at each end, which can be used in an emergency at point needed.

The pressure plates at end of these screws do not project below the stop surface, so that when work is absolutely square, they do not interfere and need not be used.



## All Steel and Iron Double Bow and Bow End Bed Clamp No. 104



In other words, they are there only to save the time it takes operator to find a thin sliver of wood, piece of cardboard or similar makeshift when Joints will not come together at a certain place.

This Clamp is made to open up 60" and close to 36". Large wheels for applying pressure are 24" in diameter. Small Top Screw Wheels are 6" in diameter. Large Clamp Plates are 13" high and 11 1/4" high to stop when same is all the way up.

Removable Jaw on Small Plate is 2 1/4" high and all Clamp Plates are 28 1/4" long from stops. Screws are made from 1 1/2" cold rolled steel and have a quick acting thread. Weight about 1,000 lbs. Machine No. 104.

## All Steel and Iron Bed Clamp No. 100

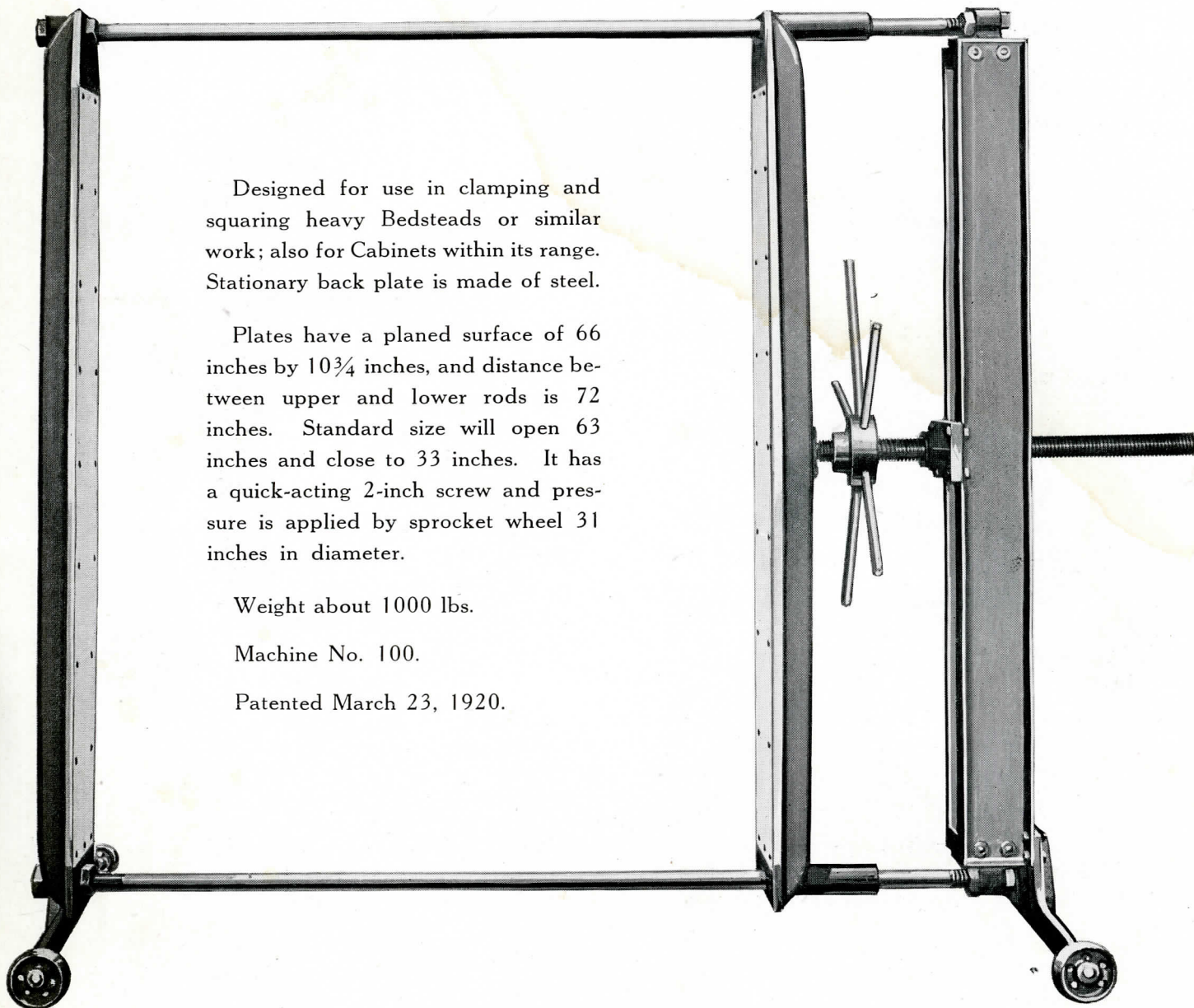
Designed for use in clamping and squaring heavy Bedsteads or similar work; also for Cabinets within its range. Stationary back plate is made of steel.

Plates have a planed surface of 66 inches by  $10\frac{3}{4}$  inches, and distance between upper and lower rods is 72 inches. Standard size will open 63 inches and close to 33 inches. It has a quick-acting 2-inch screw and pressure is applied by sprocket wheel 31 inches in diameter.

Weight about 1000 lbs.

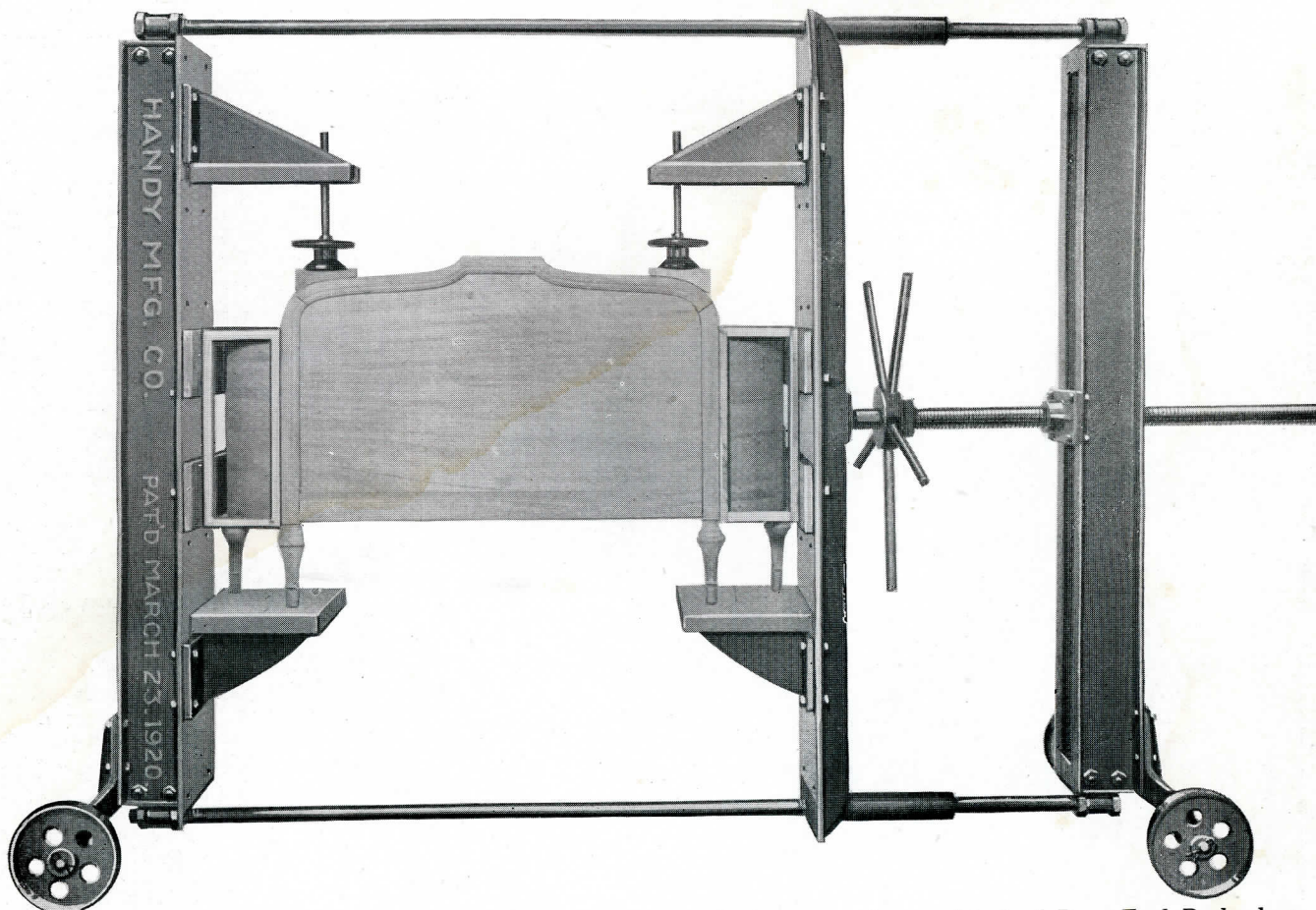
Machine No. 100.

Patented March 23, 1920.





## All Steel and Iron Bow End Bed Clamp No. 105

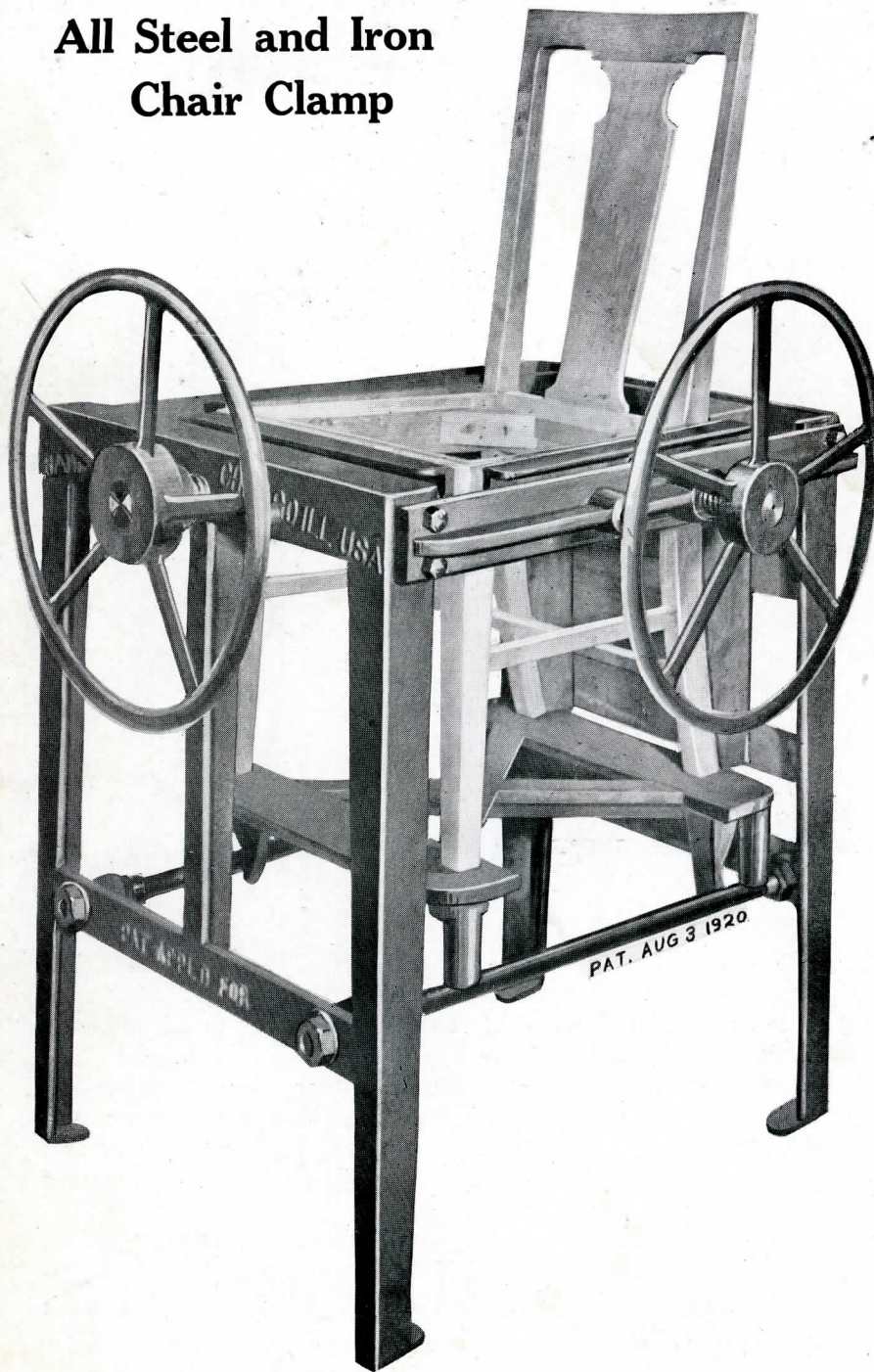


This Handy Bow End Bed Clamp is made to take in not only any kind of Bow End Beds, but also is standard equipment for clamping the head ends, fourposters and colonials. It has 12"x12" steel platforms adjustable up or down and topscrew brackets also adjustable up or down. In addition the two topscrews are movable from 3" from clamp plate to 12" so as to get pressure in the desired place on mitered top moulding. Plates have a planed surface of 66"x10 $\frac{3}{4}$ " and distance between upper and lower rods is 72". Standard size will open 69" and close to 33". It has a quick-acting 2" screw and pressure is applied by sprocket wheel 31" in diameter. The two top screws are 1" in diameter and have 6" wheels for applying pressure. Long plates have holes drilled along edges of surface to permit fastening of wood shapes.

This clamp has been in use for the past ten months in several of the leading furniture factories and has proven to be the quickest and most accurate way of clamping "BOW END BEDS." It permits the operator to see how the joints come together. This Clamp can also be used to clamp work with front, faced down. Weight about 1250 lbs. Machine No. 105.



## All Steel and Iron Chair Clamp



### Without Attachment for Clamping Stretchers No. 140

1—HERE IT IS! You have been looking for it! A Clamp that will make EVERY CHAIR exactly alike, permitting seat to slip in without any adjusting.

2—Top of Clamp is flush with chair seat, making it easy for operator to screw on corner blocks.

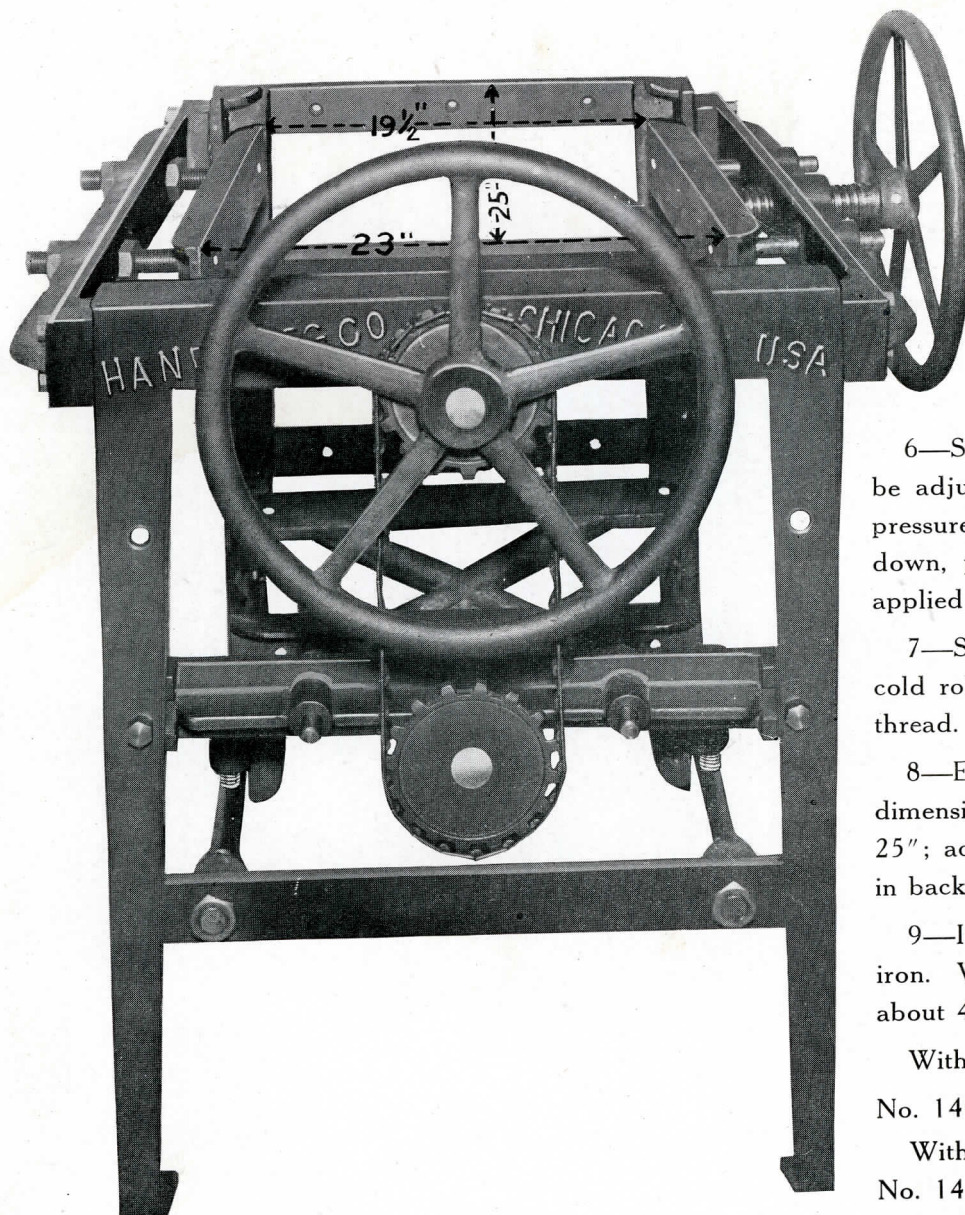
3—It can be adjusted quickly to any size. Stop and pressure plates have holes to allow fastening of shapes or forms.

4—Table is adjustable forward and backward and to different heights and angles by means of  $\frac{3}{4}$ " screws at each corner. It has a planed surface and skeleton design, so glue and dirt cannot accumulate. All stops and pressure plates are planed.

5—Pressure plates and side stops will adjust to any angle, so as to conform to shape of chair.



## All Steel and Iron Chair Clamp with Attachment for Clamping Stretchers No. 141



6—Stretcher attachment can be adjusted to give any desired pressure and is adjustable up or down, permitting pressure to be applied where stretcher is located.

7—Screws are made of  $1\frac{1}{2}$ " cold rolled steel and have a fast thread.

8—EXTREME CAPACITY dimensions are: Front to back, 25"; across in front, 23"; across in back,  $19\frac{1}{2}$ ".

9—Indestructible, all steel and iron. Will last a lifetime. Weight about 400 lbs.

Without stretcher attachment,  
No. 140.

With stretcher attachment,  
No. 141.

Patented August 3, 1920

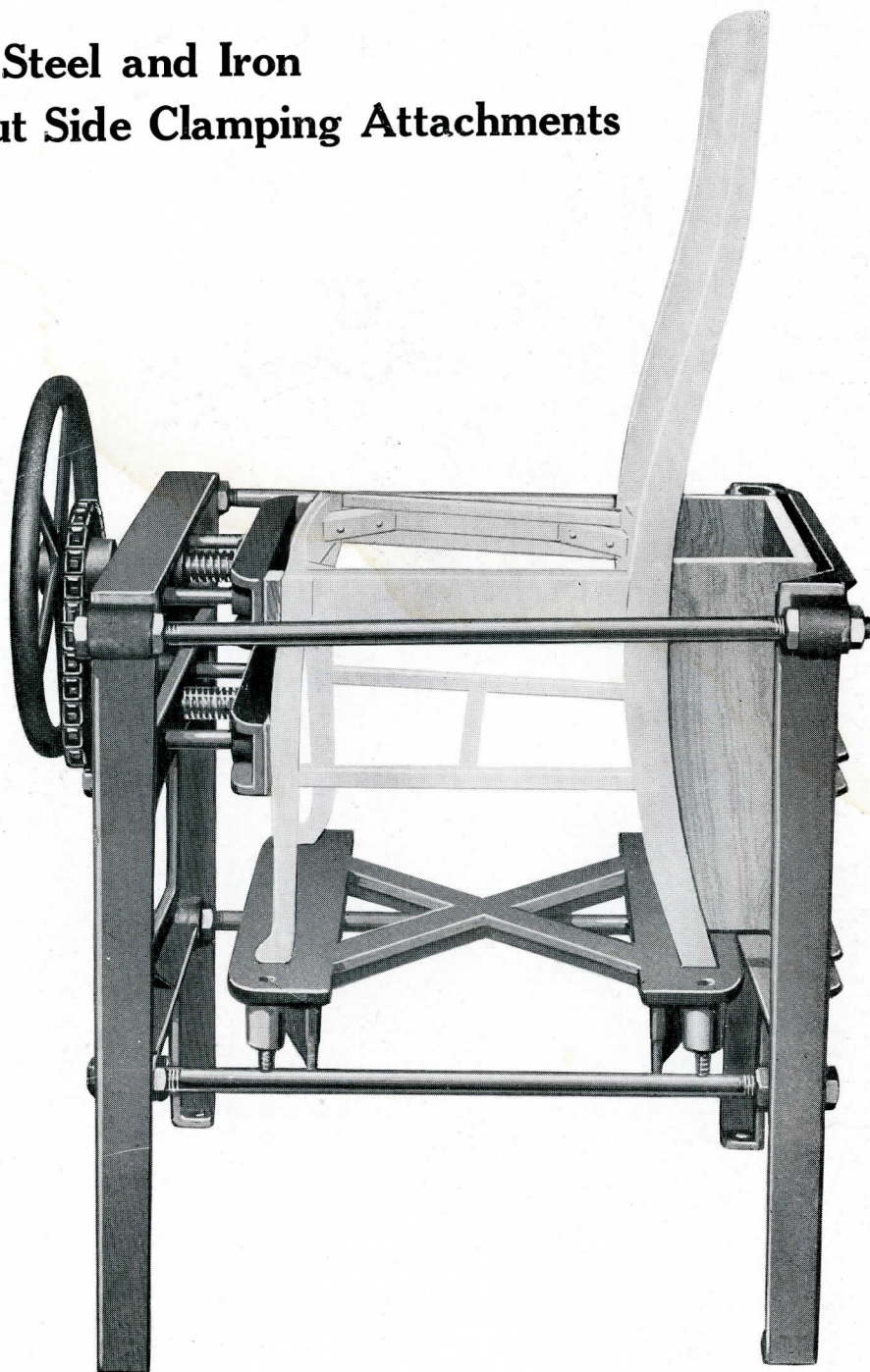


## All Steel and Iron Chair Clamp Without Side Clamping Attachments

1. This Chair Clamp is all Steel and Iron. It fills the want where side clamping attachment, as shown on pages 20 and 21, are not needed.
2. Table adjustable forward and backward and to different heights and angles by means of  $\frac{3}{4}$ " screws at each corner. It has a planed surface and skeleton design, so glue and dirt cannot accumulate. All stops and pressure plates are planed.
3. Stretcher attachment can be adjusted to give any desired pressure and is adjustable up or down, permitting pressure to be applied where stretcher is located.
4. Screws are made of  $1\frac{1}{2}$ " cold-rolled steel and have a fast thread.
5. EXTREME CAPACITY dimensions are: Front to back, 24"; across in front,  $25\frac{1}{2}$ "; across in back, 24". Weight of machine is 300 lbs.

Without stretcher attachment,  
No. 150.

With stretcher attachment, as  
shown in cut. No. 151.

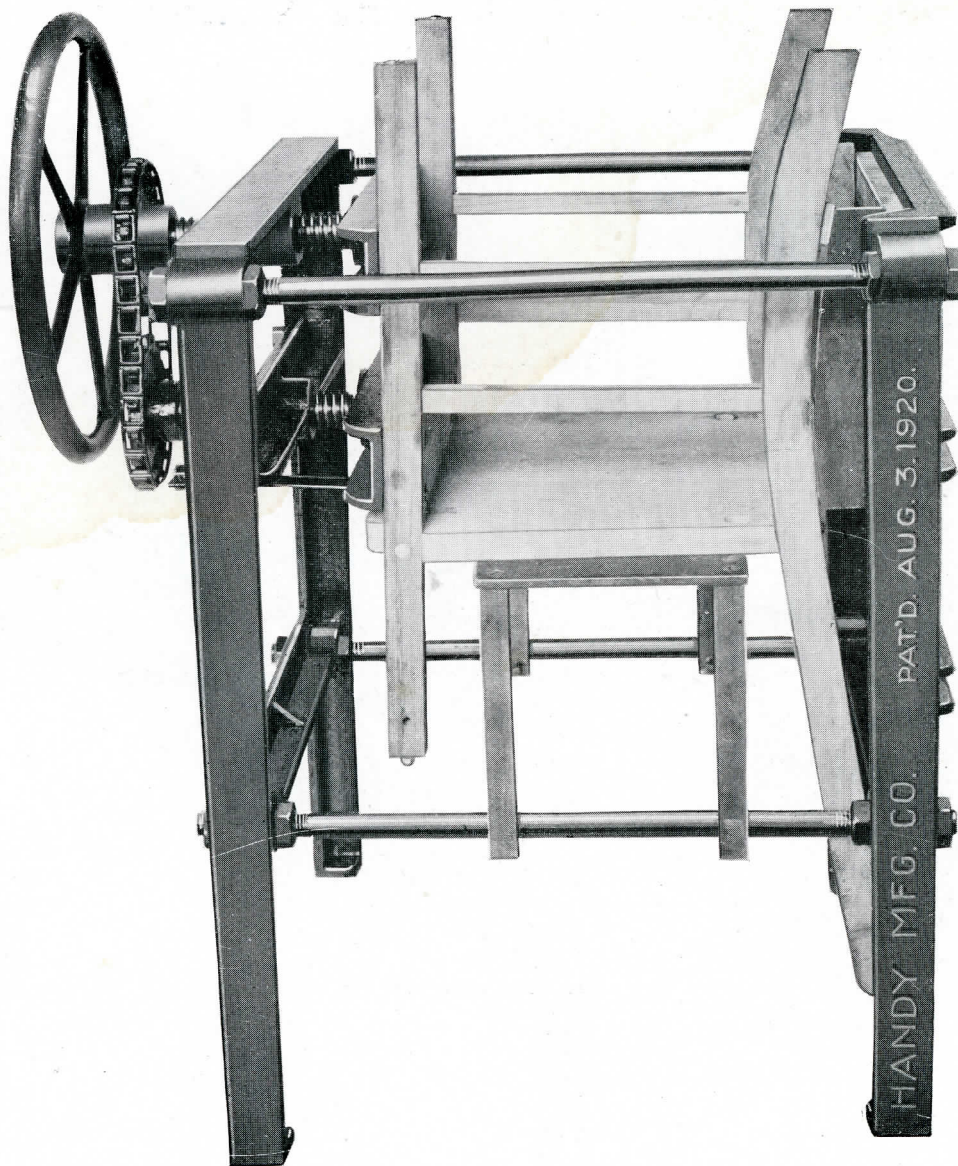


Patented August 3, 1920



HANDY MANUFACTURING CO., CHICAGO, ILL., U. S. A.

## All Steel and Iron Chair Clamp No. 155



This Chair Clamp is the same as No. 151 on opposite page with stretcher attachments, except that it has special table or rest, so as to enable operator to clamp chairs with the legs up, where desired.

Weight 300 lbs. Machine No. 155.

## All Steel and Iron Chair Back Clamp No. 210



Patented April 6, 1920

This machine will clamp up any Chair Back within the following measurements. For width, will open 22 inches and will close to 14 inches; for length, will open 48 inches and close to 25 inches, but can be made to open and close more in the length. Bottom stops are made to raise and lower, depending on sweep of chair. Side clamping plates adjust to any angle up or down and sideways so as to conform to stock.

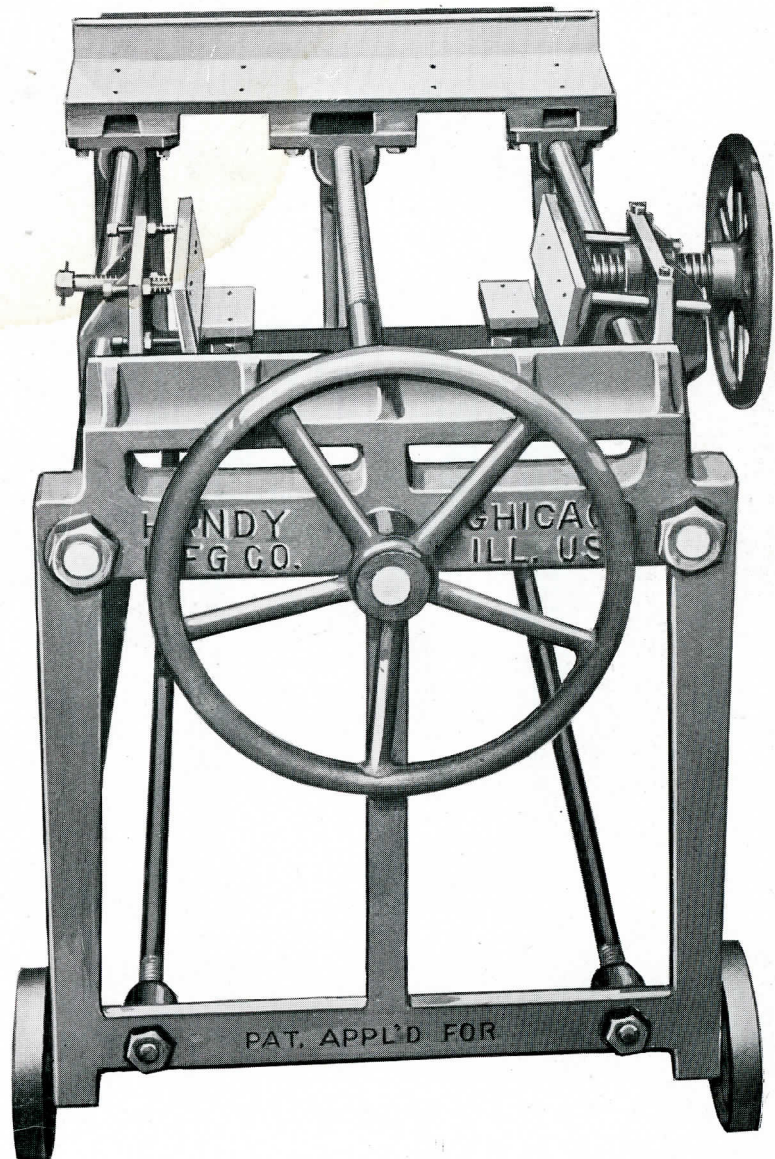


## All Steel and Iron Chair Back Clamp No. 210

(Description continued  
from opposite page)

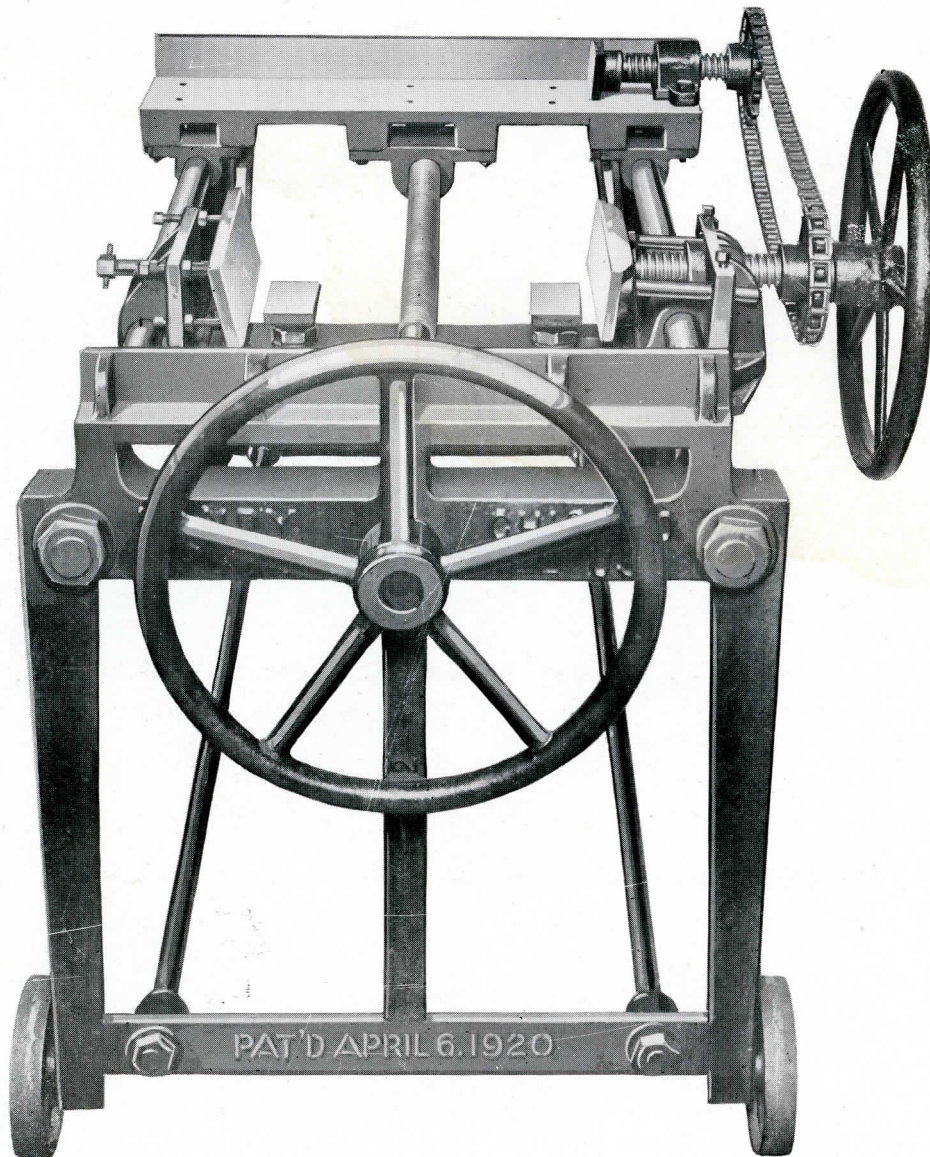
Lengthwise clamping plate moves on long screws, thus doing away with stops, as front plate is stationary. Both length and cross-ways screws are  $1\frac{1}{2}$  inches in diameter and have Quick-Acting Thread. All clamping plates and stops have drilled holes for bolting on stops or shapes. Weight about 600 lbs.

Machine No. 210.



Patented April 6, 1920

## All Steel and Iron Chair Back Clamp No. 220



This machine is the same as No. 210 except that it has an additional clamping attachment for clamping Crossways at **top** of Chair Back.

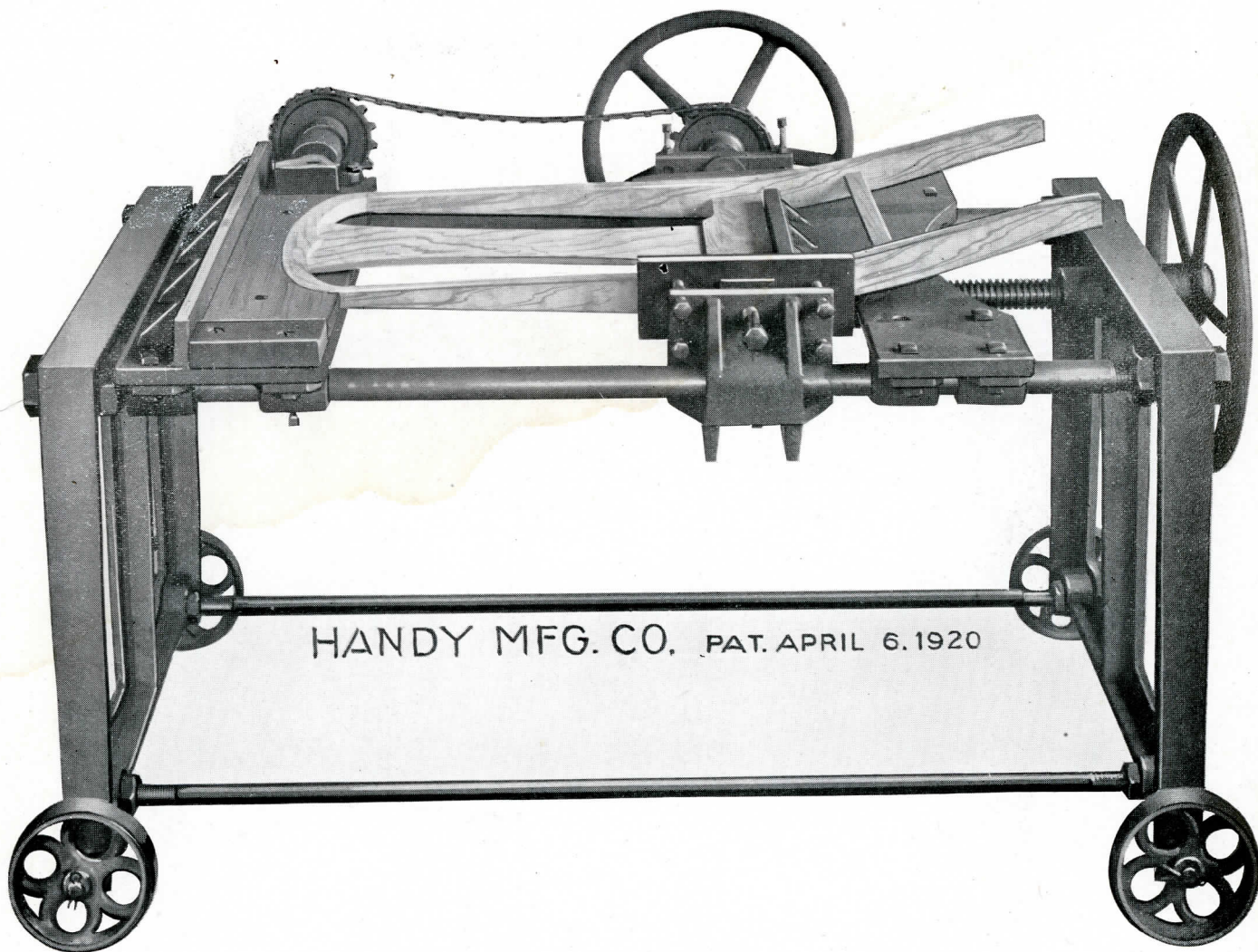
This attachment can be removed when not needed.

Weight about 650 lbs.

Machine No. 200.



## All Steel and Iron Chair Back Clamp No. 225



This machine has the same features as No. 220 on opposite page, except that instead of applying pressure against the bottom of legs pressure is applied against the **bottom rail**.

This has been found desirable by a great many manufacturers and was made to meet their requirements.

Weight about 650 lbs.

Machine No. 225.

## All Steel and Iron Chair Clamp No. 156



This large size Chair Clamp is made to meet a demand from manufacturers of chairs, such as can not be handled in our smaller sizes shown on pages 20 to 23 inclusive. It will clamp chairs up to  $32\frac{1}{2}$ "x $32\frac{1}{2}$ " and is equipped with attachment for clamping the stretchers in one operation. Table is adjustable up and down to allow for pressure at proper place depending on the height of chair. Weight about 950 lbs. Machine No. 156.



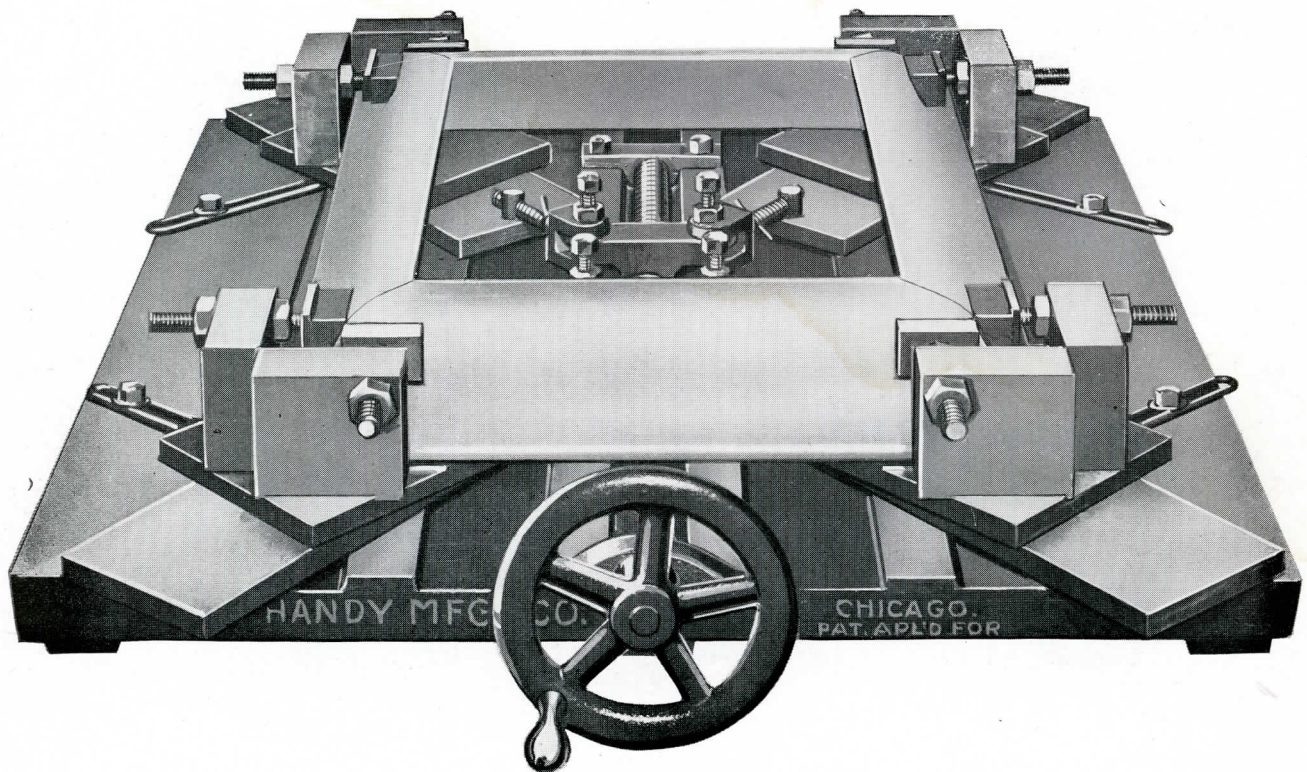
## All Steel and Iron Frame Clamp No. 195



Frame Clamp shown above is similar in construction to clamps shown on pages 30 to 33 inclusive but will take a larger range of sizes, such as is required in radio cabinet work, for which work it was built. This clamp is in use in several of the larger plants manufacturing Radio Cabinets. It will take frames from  $10\frac{1}{2}$ "x14" up to 22"x49". Corner clamp blocks are made any height to suit the work. Weight about 600 lbs. Machine No. 195.

## Talking Machine Dome and Frame Clamp No. 190

All Steel and Iron. Will absolutely square your work



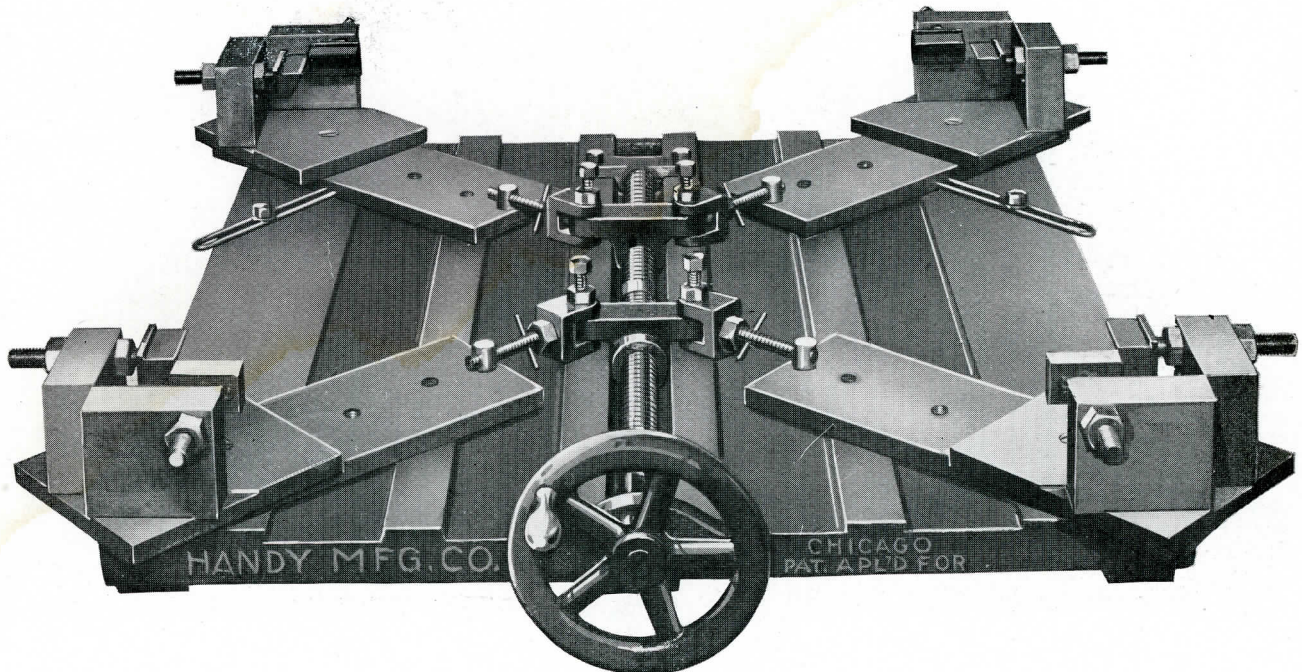
Patented June 8, 1920

This machine is designed for use in clamping up Domes and Frames on Talking Machine Cabinets or similar work and is very quick-acting. Pressure is applied with a 1-inch diameter screw having a right and left thread. Jaws on jaw plates are  $3\frac{1}{2}$  inches high and  $3\frac{1}{8}$  inches long and fit in a milled groove on plates. Each jaw block has an adjustable screw with a steel plate at one end to allow for fastening wood shape to apply pressure against offset on Domes. When using for plain frames, offset pressure screws can be removed. Jaw plate swivels to conform to different sizes. Sliding plates that jaw block plates are mounted on have at one end an adjustment screw to take up any variation in setting up and also any variation caused by wear.



## Talking Machine Dome and Frame Clamp No. 190

All Steel and Iron. Will absolutely square your work



Patented June 8, 1920

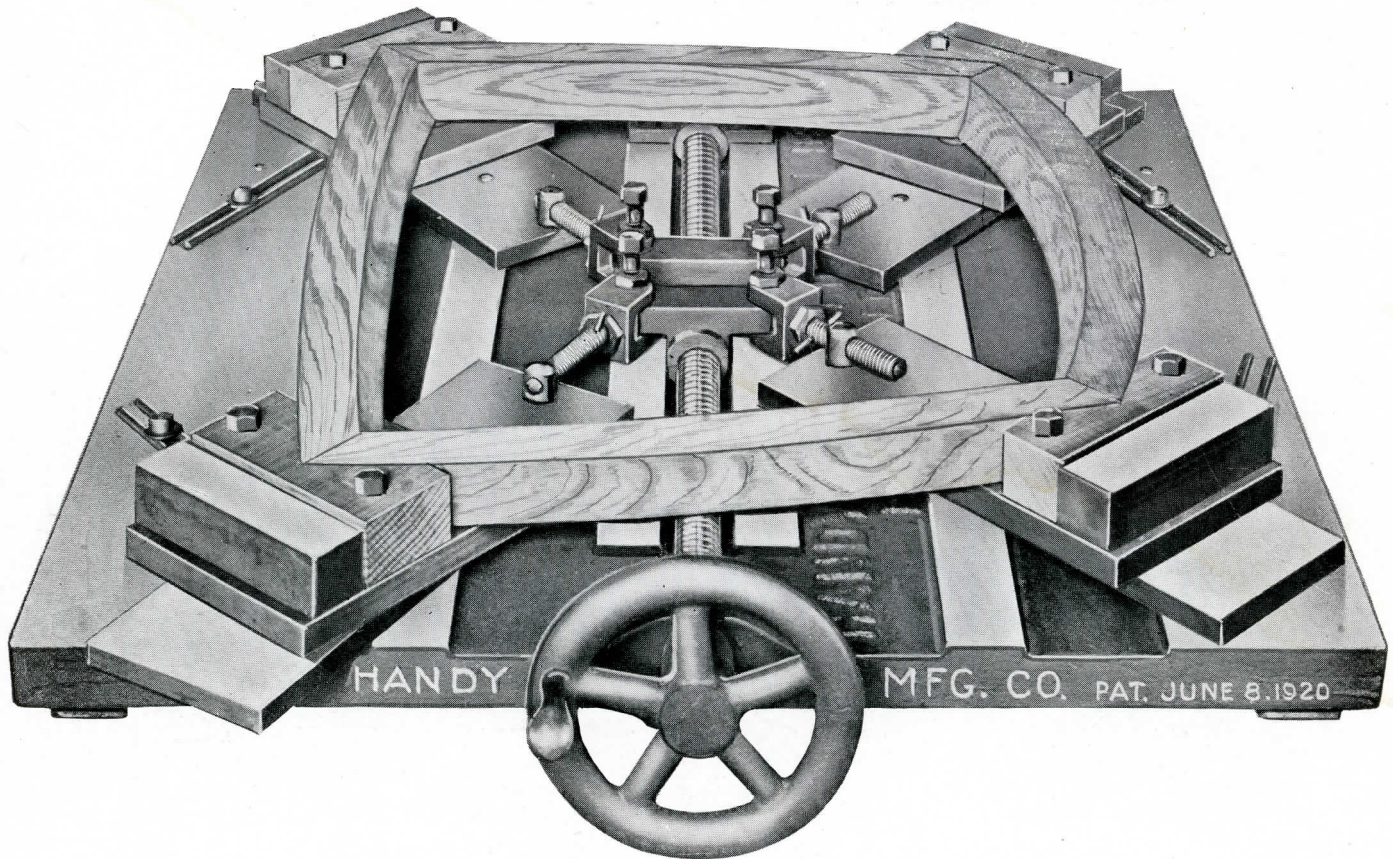
(Continued from page 30)

It has also three tapped holes to be used for fastening jaw block plates in order to get the maximum and minimum capacity. Wire fork stops shown in cut are to be adjusted against sliding plates after machine is adjusted to your Master Dome or Frame, as they will help to bring plates in position. Capacity of machine is maximum 26" x 26", minimum 16" x 14", and will take any combination of sizes in between. All parts are smooth steel or planed castings. In setting up use a glued-up Master Dome and save time. Machine weighs 200 lbs. Machine No. 190.

Jaw plates as shown on our Frame Clamping Machine No. 160 will also fit this machine.



## All Steel and Iron Small Frame Clamp No. 226



This clamp is intended for clamping up straight or irregular shaped mitered frames. Note that frame in cut is wider at one end than at the other.

By bolting on wood shapes as shown any shape will be clamped accurately.  
Capacity 26"x26" down to 14"x14" and any sizes in between.

Pressure is applied with a 1" screw having a right and left thread. Sliding plates that jaw blocks are mounted on, have at inside end an adjustment screw to take up any variation in setting up, and also any variation caused by wear.

Wire fork stops shown in cut are to be adjusted against sliding plates after machine is set to glued-up master frame, as they assist in bringing plates in position after each clamping.

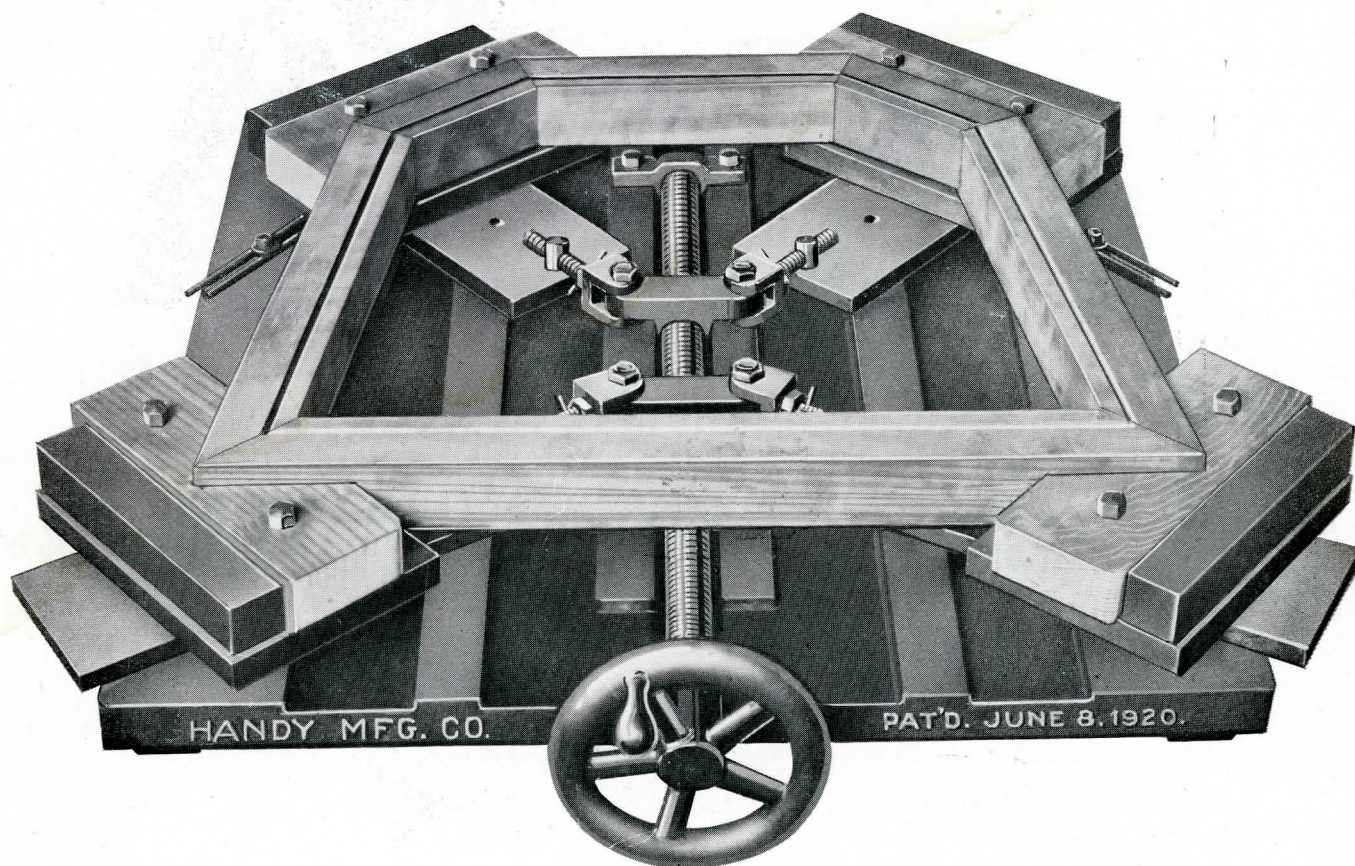
Jaw plates as shown on our No. 160 and No. 190 machines will also fit this machine and increase its range of work.

Weight 190 lbs.

Machine No. 226.



## All Steel and Iron Small Frame Clamp No. 226



This is the same Clamp as on opposite page except as to the wood shapes. By making wood shapes to conform with your work, this Clamp will draw up and square any shape. Specifications on opposite page. Wood shapes not furnished.

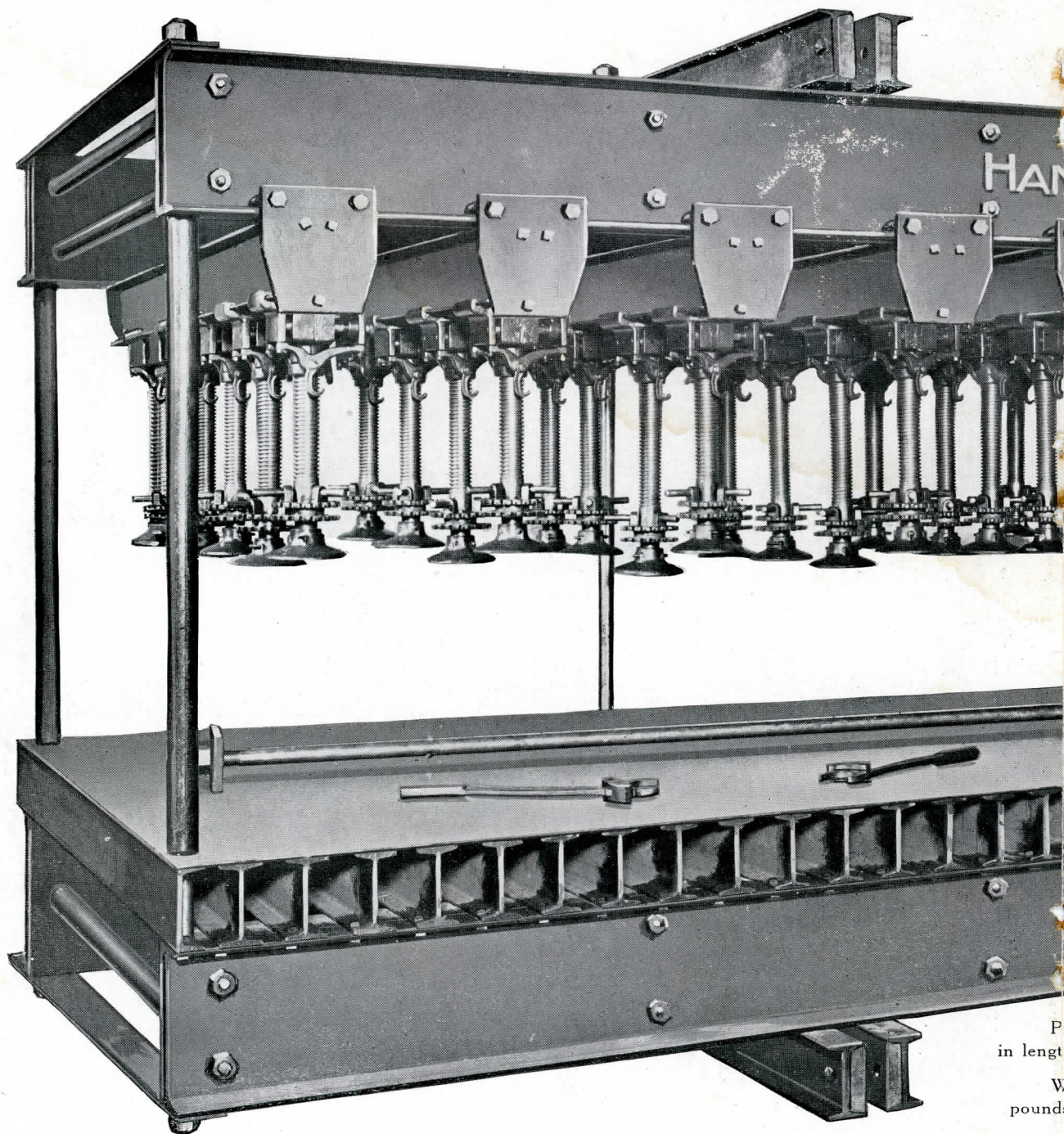
Weight 190 lbs.

Machine No. 226.



HANDY MANUFACTURING CO., CHICAGO, ILL., U. S. A.

## All Steel Veneer Press w

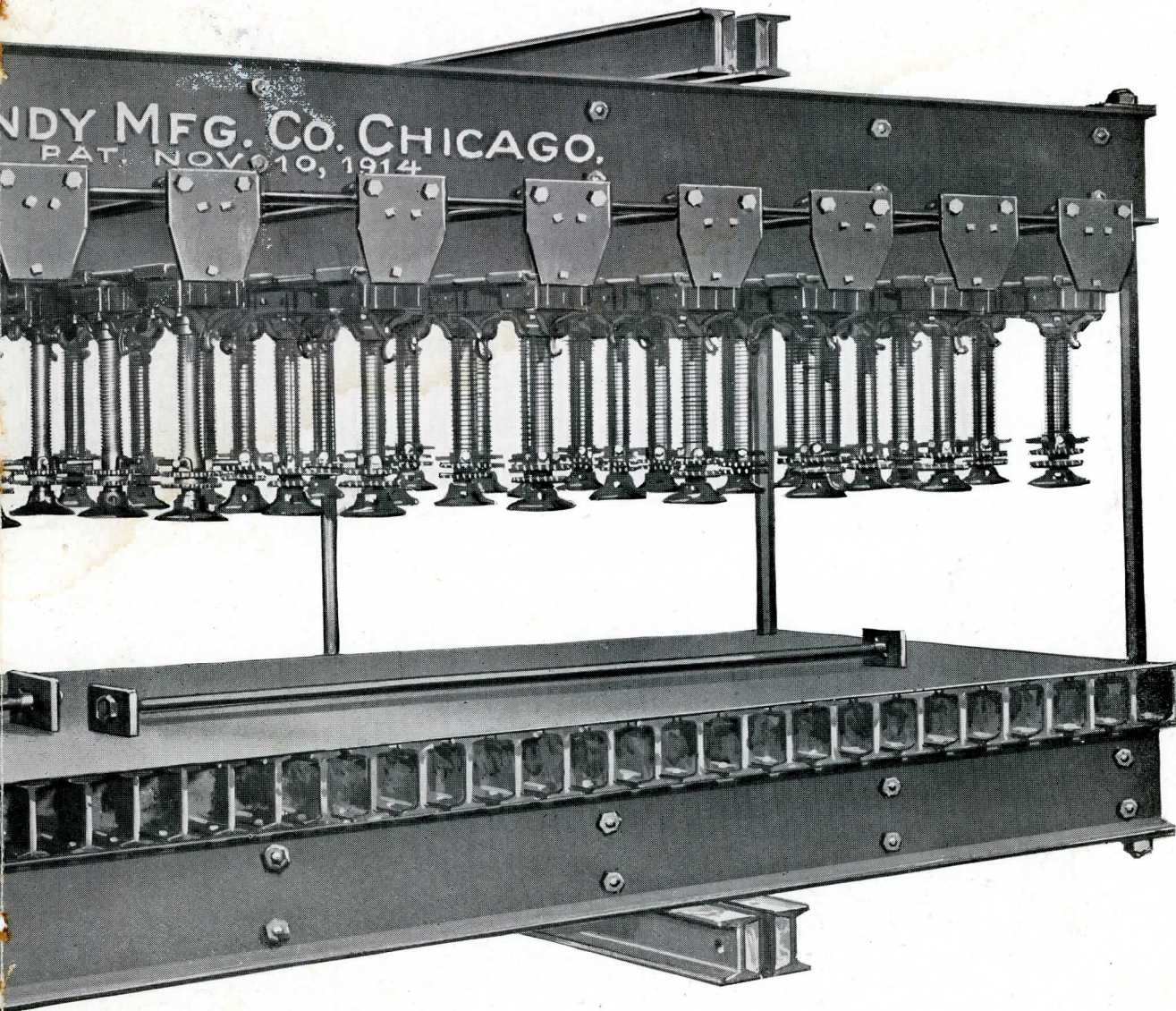


P  
in length  
W  
pounds



HANDY MANUFACTURING CO., CHICAGO, ILL., U. S. A.

## With Quick Acting Bearings



Press shown above is, we believe, the largest ALL STEEL SCREW PRESS ever built. It has a clamping surface of 16 feet high and 8 feet in width. It is being used by a firm manufacturing High Class Interior Finish and Fixtures.

We can build any size press, with either solid or patented quick acting bearings. Weight of above press about 23,000 lbs. For details of construction see page 50.



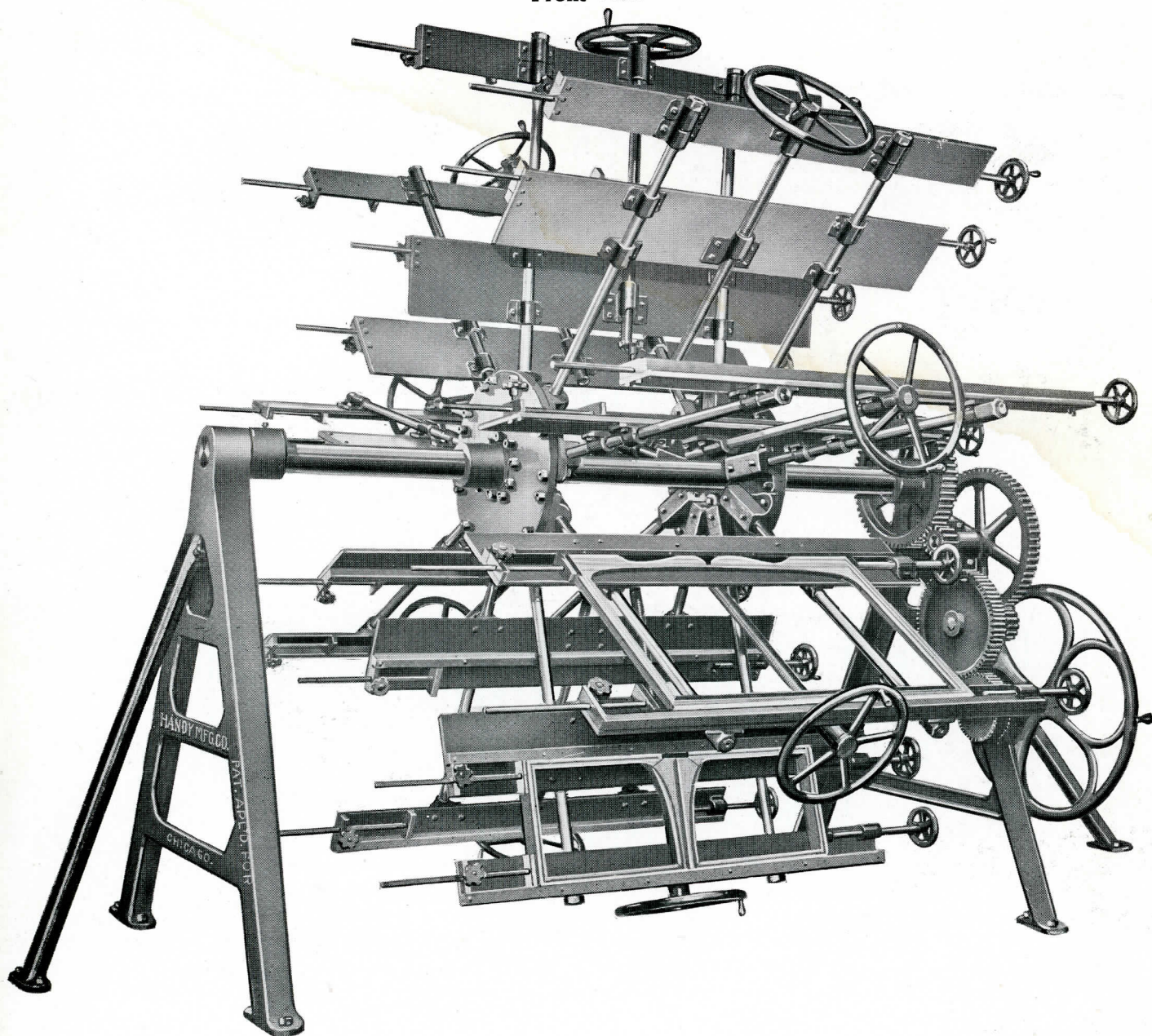
HANDY MANUFACTURING CO., CHICAGO, ILL., U. S. A.

---

# All Steel and Iron Revolving Frame Clamping Machine

Patent Applied For

Front View

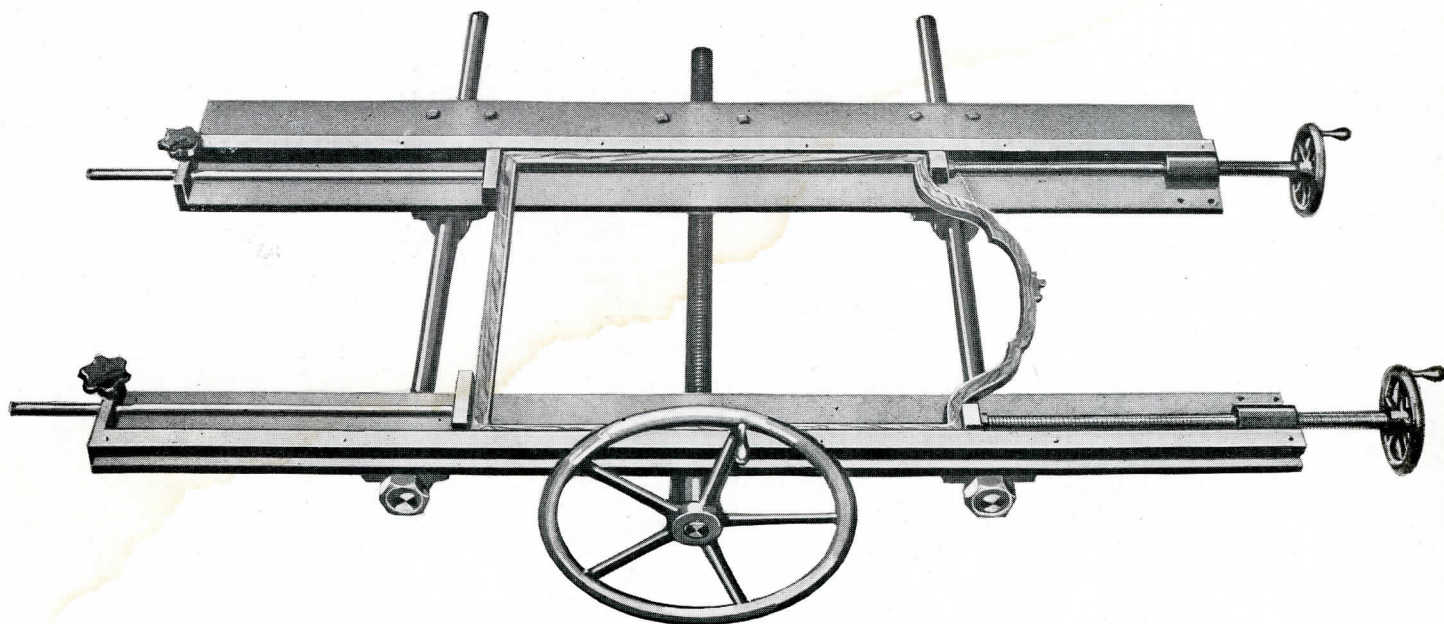


See pages 37, 38 and 39



## All Steel and Iron Revolving Frame Clamping Machine

Close Up View of One Clamp



The machine that is illustrated on pages 36 and 39, with close up view above, is put on the market to meet the demand of a steadily growing number of manufacturers for a Frame Clamp that will hold enough frames to allow glue to set before being taken out.

As will be seen on page 39, machine has nine clamp fixtures and thus will hold nine frames, excepting on some small frames, when **two** or **three** may be clamped at once **in each fixture**.

Machine shown has Clamp fixtures that will clamp frames 60" long and will open up 36" for width.

The jaws are 1 1/4" high and will close to 8" or less if specified. Closing to 8" gives 4" table on each jaw for work to rest on.

The jaw plates are made from cold-rolled steel. The one in front at wheel is stationary, the other one is moved the full length back and forth with a 1 1/2" cold-rolled steel screw, thus doing away with stops and allowing for quick adjustment. The wheel for tightening is 17" in diameter. The sliding rods are 1 1/2" cold-rolled ground steel. The crossway pressure screws shown at the right end of cut above are 1" with a 6" wheel at end and these fixtures can be fastened close to jaw or moved to outer edge of plate if desired. They are fastened with two thumb-screws from underneath. The stops at opposite end are tightened with a hand wheel screw, so that no wrenches are required for setting at either end.

(Continued on page 38)

# All Steel and Iron Revolving Frame Clamping Machine

(Continued from page 37)

This Clamp fixture is shipped complete and assembled as shown on cut and all that is needed in assembling machine, is to slide the two rods into corresponding numbered holes in flange on shaft, up to point where rods are marked with a line and then tighten set screws. Main shaft is cold-rolled steel 4" in diameter, and the two flanges are spaced and permanently fastened before shipping.

On account of **back gearing** no lock stops are required, so operator can bring the clamp fixtures to any position that he desires. Four and one-half turns on the large hand wheel will revolve machine to the next clamp fixture. Machine with fixtures to open up 36" requires 10 ft. 1½ inches for clamp plates to clear ceiling and 10 ft. 6 inches for wheel with handle to clear. Machine with fixtures to open up 32" require 9 ft. 5½ inches for Clamp plates to clear ceiling and 9 ft. 10 inches for wheel with handle to clear, and other size openings in proportion.

A machine to take in frames 60" long would require a floor space of 12 ft. lengthwise. Weight of this size to open 36 inches is 6,600 lbs.

No. 128 to take in Frames or Stock up to 36" in width and 60" in length.													
No. 129	"	"	"	"	"	"	"	"	"	"	"	54"	"
No. 130	"	"	"	"	"	"	"	"	"	"	"	48"	"
No. 131	"	"	"	"	"	"	"	"	"	"	"	42"	"
No. 132	"	"	"	"	"	"	"	"	"	"	"	36"	"
No. 133	"	"	"	"	"	"	"	"	"	"	"	30"	"
No. 134 to take in Frames or Stock up to 32" in width and 60" in length.													
No. 135	"	"	"	"	"	"	"	"	"	"	"	54"	"
No. 136	"	"	"	"	"	"	"	"	"	"	"	48"	"
No. 137	"	"	"	"	"	"	"	"	"	"	"	42"	"
No. 138	"	"	"	"	"	"	"	"	"	"	"	36"	"
No. 139	"	"	"	"	"	"	"	"	"	"	"	30"	"

One Furniture Manufacturer using this machine with two men, take out frames in from 40 to 60 seconds.

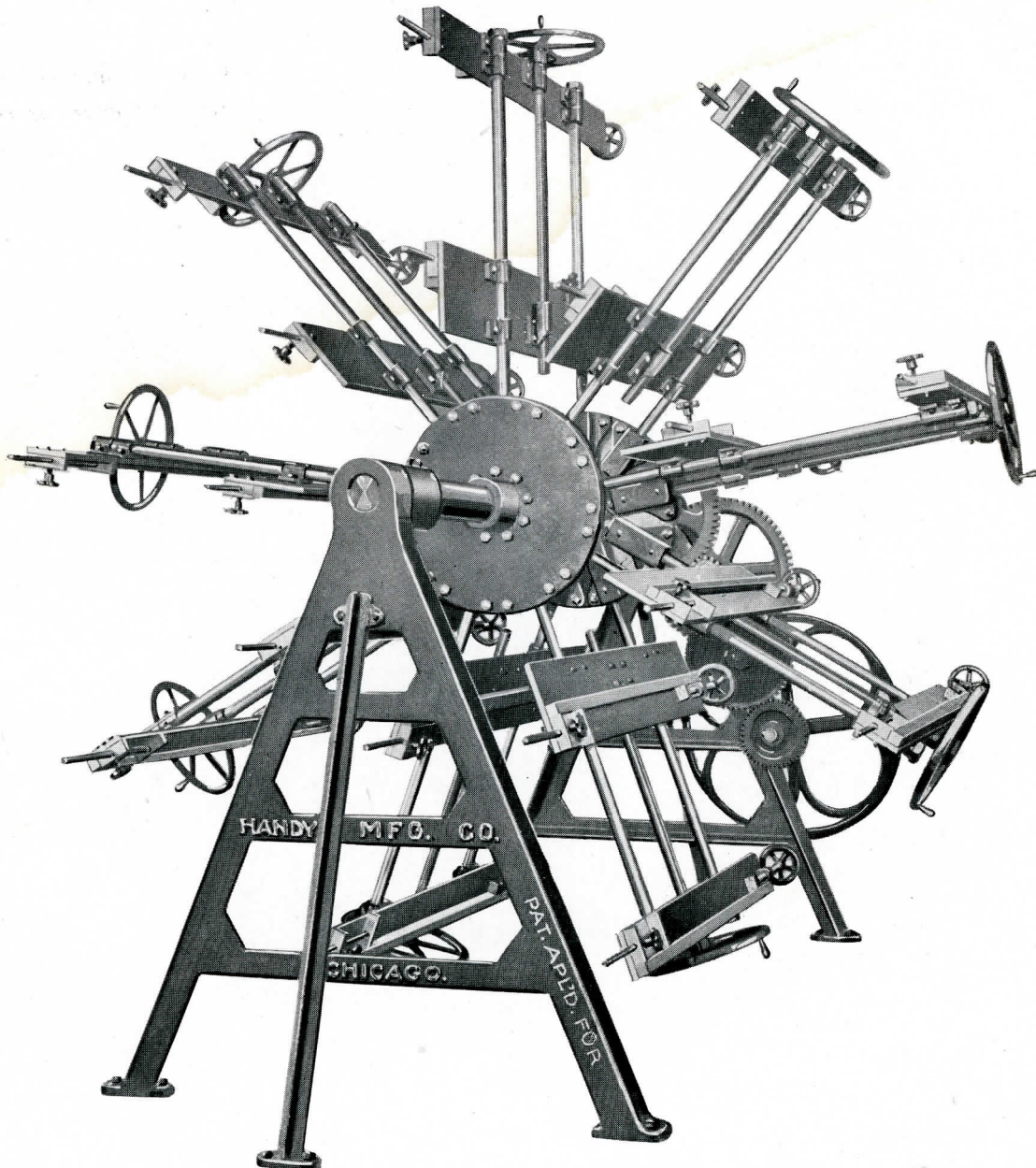


HANDY MANUFACTURING CO., CHICAGO, ILL., U. S. A.

---

## All Steel and Iron Revolving Frame Clamping Machine

Patent Applied For

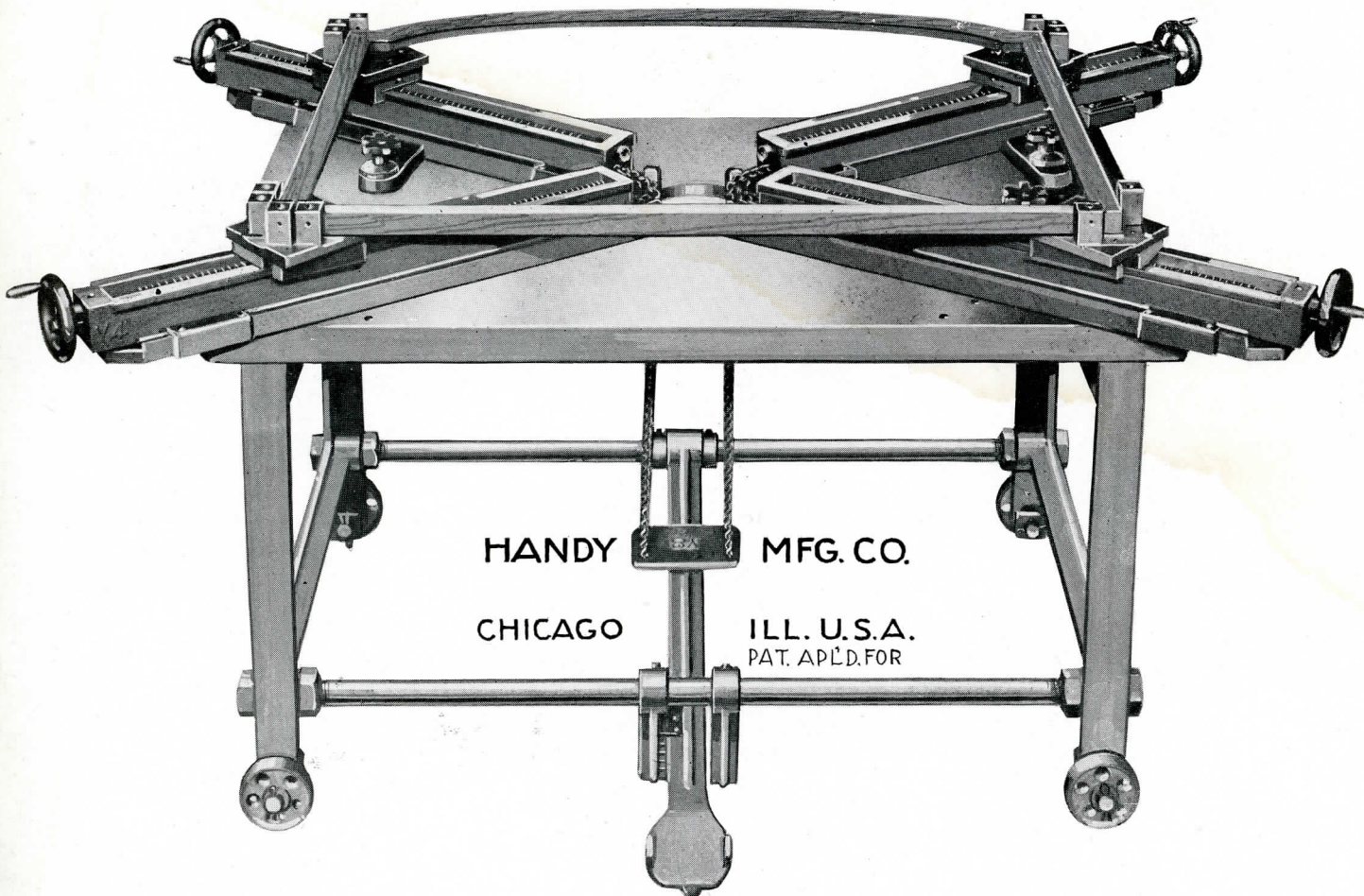


See pages 36, 37 and 38

HANDY MANUFACTURING CO., CHICAGO, ILL., U. S. A.

## All Steel and Iron Quick Acting Frame Clamping Machine No. 160

Front View Showing Clamped Frame. Patented June 8, 1920



This Clamping Machine was designed to supply the increasing demands for a quick-acting, quick adjusting and accurate clamping device for almost any size and shape of **mitered dresser swings, frames, library table rims, boxes, domes, etc.**

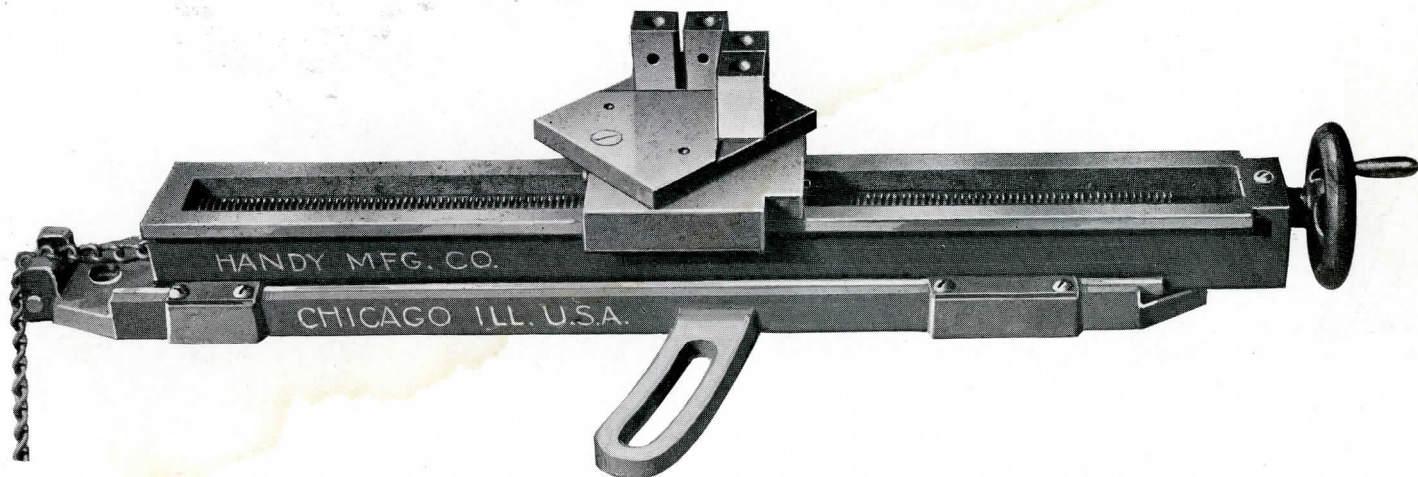
The machine stands 35 inches from floor to clamping service. The following sizes are the maximum and minimum capacity of machine, and it will take in any combination of sizes between 13x10, 16x9, 54x40, 50x44, and 60x30.

The **Clamping Jaws** are made in four parts and are interchangeable. For instance, if it is desired to have tongue come through or to nail corners, take out the two inside stops. (Note lower right-hand corner on above cut.) Or if frames have a narrow clamping surface on top, take out the outside stops. (Note upper corners on above cut.) **All jaw stops** are made  $1\frac{1}{4}$  inches high standard, and with all in place have a clamping surface of  $2\frac{3}{4}$  inches; with two stops taken out,  $1\frac{1}{8}$  inches. Will furnish higher jaw stops if desired. Jaw plates as shown on Machine No. 190 will also fit this machine.



## All Steel and Iron Quick Acting Frame Clamping Machine No. 160

Close-up View of Clamp Fixture. Patented June 8, 1920



All stops have holes drilled through to allow for fastening of shapes for special work. The jaw stops are mounted in milled grooves on clamping surface-plates so they will always line up when replaced. The clamping surface plates, which have a swivel movement to conform to different sizes when adjusted and give equal pressure, have two tapped holes for bolting on large corner shapes or special large stops for boxes. All surface and sliding ways on machine are planed or milled. **The workmanship and material are the best.**

### DIRECTIONS FOR ADJUSTING

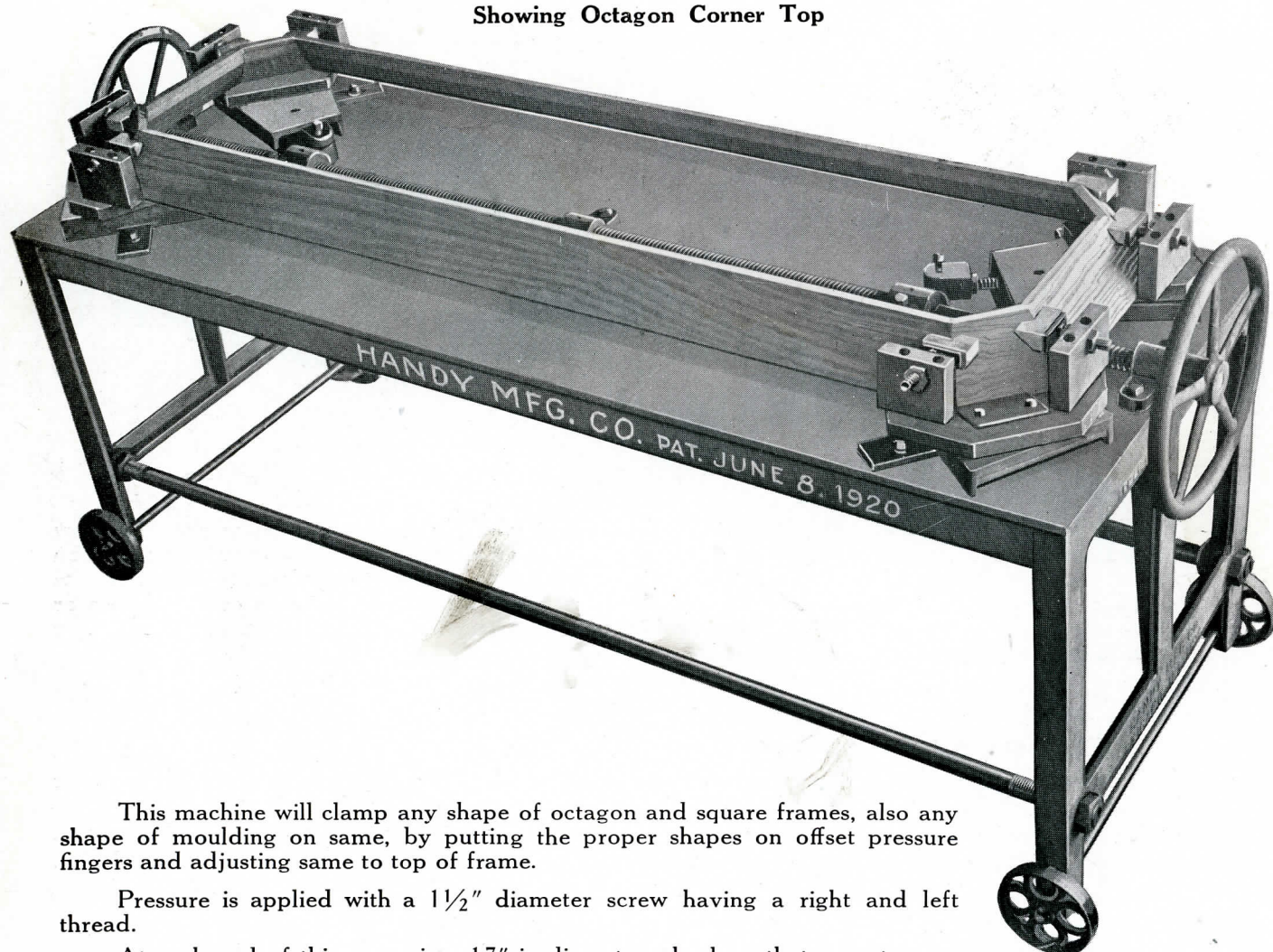
1. Press foot treadle down to stop desired, for sufficient leeway.
2. Place glued up master frame on machine and adjust same by swinging clamp fixtures to proper positions.
3. Then move jaw-plate fixture backwards or forward by turning hand wheel attached to quick-acting screw and at the same time adjust swiveled jaw plate so as to give equal pressure on both sides.
4. Place frame as near center as possible, judging by your eye, and adjust each corner separately as above.
5. After making above adjustment, tighten set screws at end of each fixture slightly to prevent screw from turning.
6. Clamp fixtures to table with hand wheel screws as shown in cut.
7. Release foot treadle and adjust the stop to amount of pressure required and all work to be clamped **will be uniform.**

If above suggestions are followed, one man can change and adjust from one size to another in less than five minutes. This machine can be equipped with additional clamp fixtures, also special jaws.

Machine weighs 1200 lbs. No. 160.

## All Steel and Iron Casket Top Clamp No. 228

Showing Octagon Corner Top



This machine will clamp any shape of octagon and square frames, also any shape of moulding on same, by putting the proper shapes on offset pressure fingers and adjusting same to top of frame.

Pressure is applied with a  $1\frac{1}{2}$ " diameter screw having a right and left thread.

At each end of this screw is a 17" in diameter wheel, so that operator can clamp and adjust at either end.

Clamp jaws are 4" high and fit in milled grooves on jaw block plates.

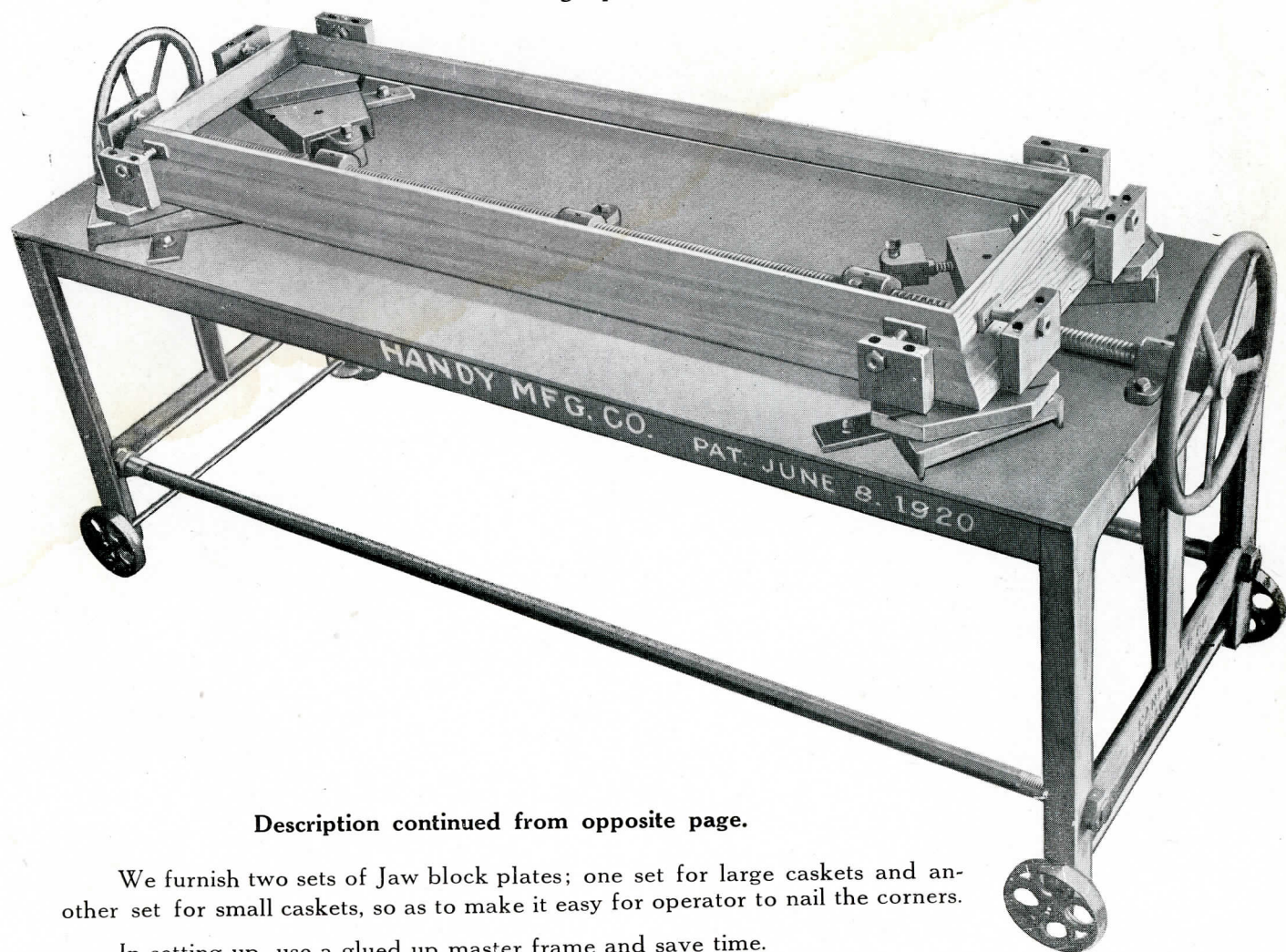
The sliding plates that jaw block plates are mounted on have at inside end an adjustment screw to take up any variation in work in setting up.

Stops against sliding plates are to be set after machine is adjusted to master frame, as they help to bring plates in position after each release.



## All Steel and Iron Casket Top Clamp No. 228

Showing Square Corner Top



Description continued from opposite page.

We furnish two sets of Jaw block plates; one set for large caskets and another set for small caskets, so as to make it easy for operator to nail the corners.

In setting up, use a glued up master frame and save time.

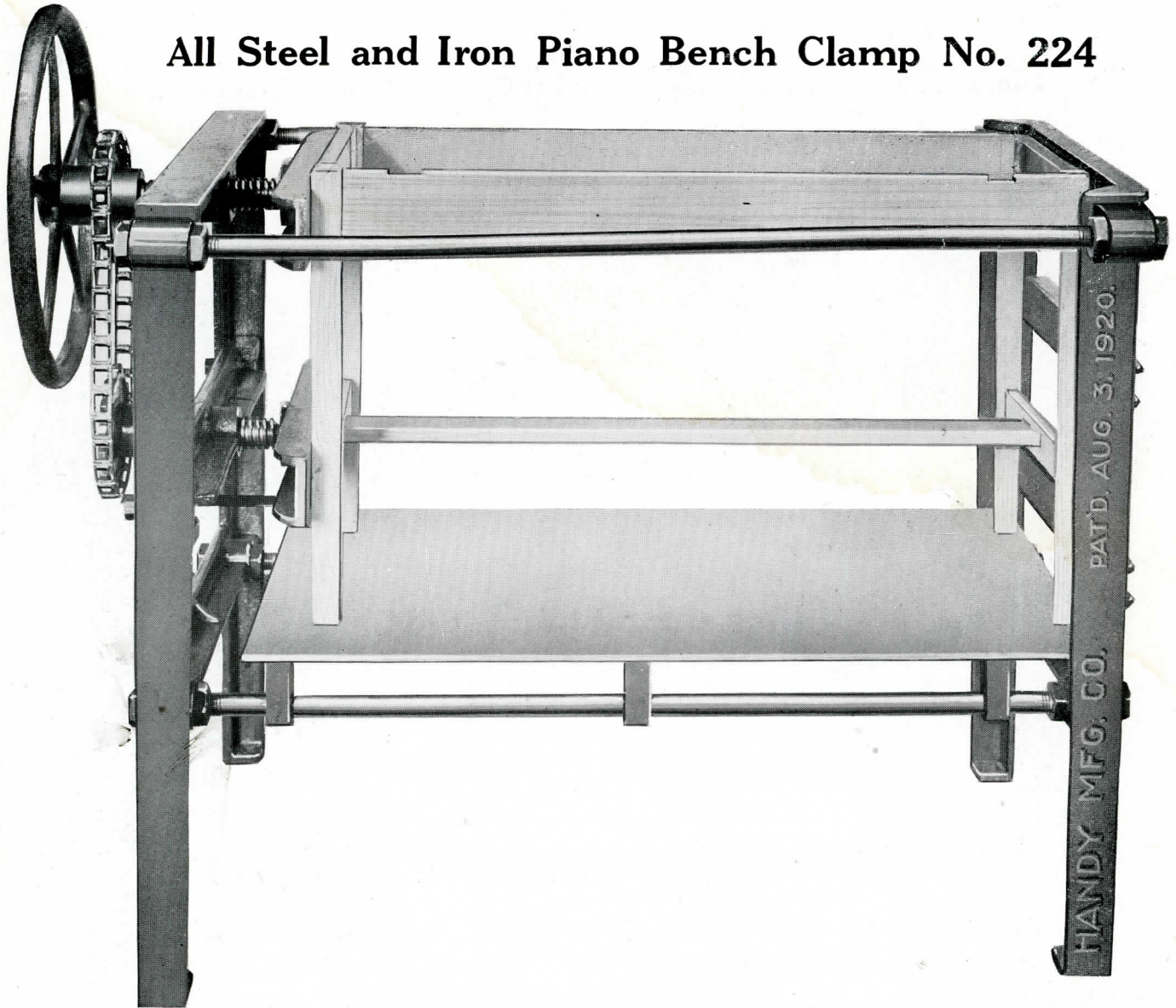
Construction and working of this machine is identical with our No. 190 which we have had on the market for some time and is being used successfully by leading phonograph manufacturers for clamping domes and frames.

Weight 1325 lbs.

Machine No. 228.

HANDY MANUFACTURING CO., CHICAGO, ILL., U. S. A.

## All Steel and Iron Piano Bench Clamp No. 224



Clamp illustrated above will be made to take in any size Piano Bench single or duet. If made to take in duets, all that is needed is to fill in at the back with wood to make up the difference in size of singles.

The stretcher attachment can be set to give pressure at any place the stretcher is located.  
Standard size is:

From front to back, 36 inches; width at front end, 25½ inches; width at back end, 24 inches.

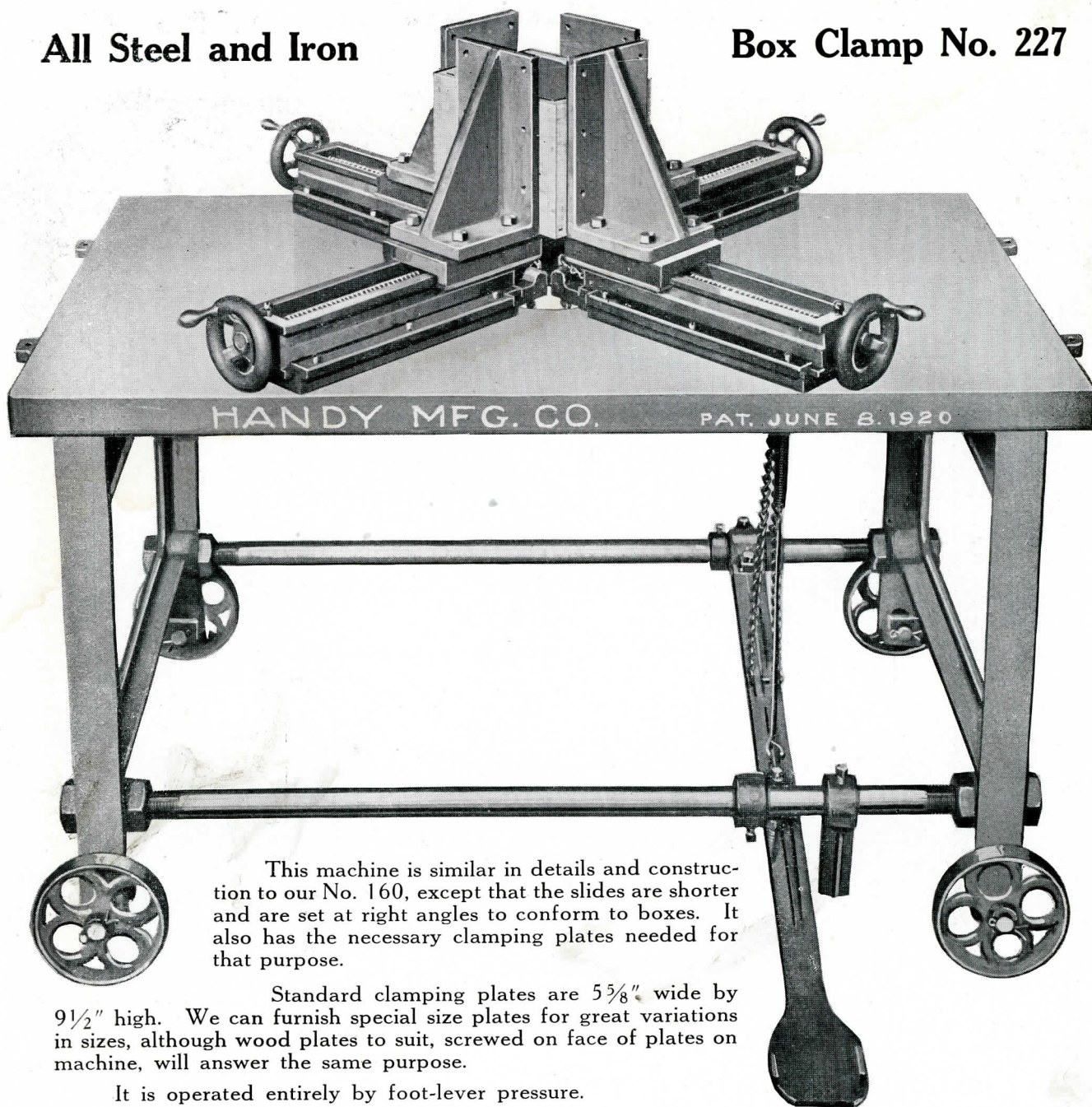
If different length than 36" is desired, please specify.

If stretcher attachment is not needed deduct \$20.00 from list price. Weight, 350 lbs. Machine No. 224.



All Steel and Iron

Box Clamp No. 227



This machine is similar in details and construction to our No. 160, except that the slides are shorter and are set at right angles to conform to boxes. It also has the necessary clamping plates needed for that purpose.

Standard clamping plates are  $5\frac{5}{8}$ " wide by  $9\frac{1}{2}$ " high. We can furnish special size plates for great variations in sizes, although wood plates to suit, screwed on face of plates on machine, will answer the same purpose.

It is operated entirely by foot-lever pressure.

Weight, about 1150 lbs.

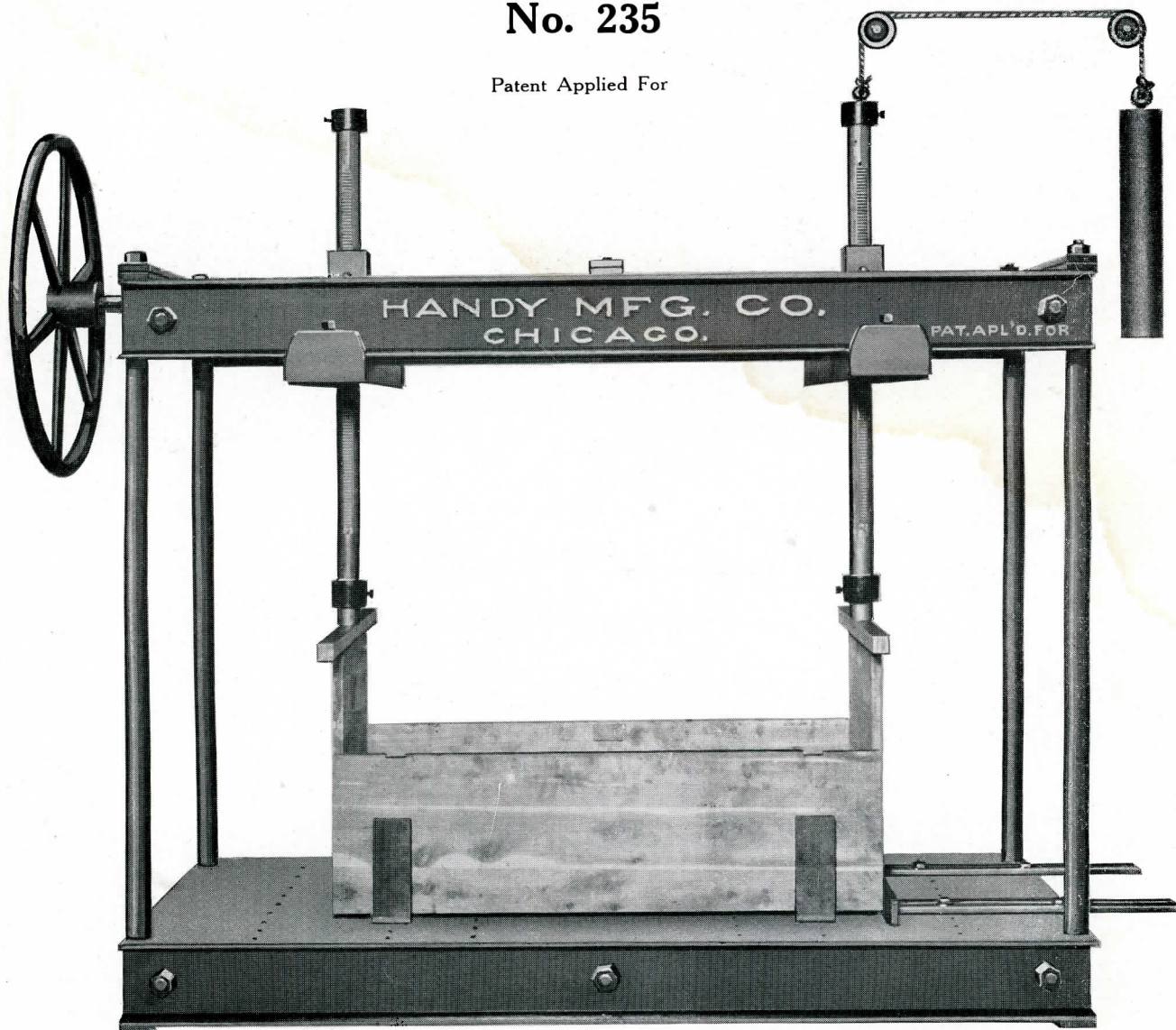
Machine No. 227.



HANDY MANUFACTURING CO., CHICAGO, ILL., U. S. A.

## All Steel and Iron Lock Corner Chest and Drawer Clamp No. 235

Patent Applied For



On this and opposite page we illustrate a new clamp for driving down the sides of Cedar Chests or Drawers, where lock corner joint such as is shown in lower corner cut, or similar to this, is used in their construction.

The large wheel is mounted on a steel shaft, running the full length of clamp. On this shaft is mounted two pinions, which slide on keyway the full length of shaft, thus allowing for adjustment for different lengths of work.

The pinions engage with steel racks, fastened to the two driving rods, which are mounted on the adjustable crossbeams.



## All Steel and Iron Lock Corner Chest and Drawer Clamp No. 235

(Continued from opposite page)

By turning the wheel, uniform pressure is applied on each case end. Weight and pulley arrangement will keep driving rods at top when loading or unloading.

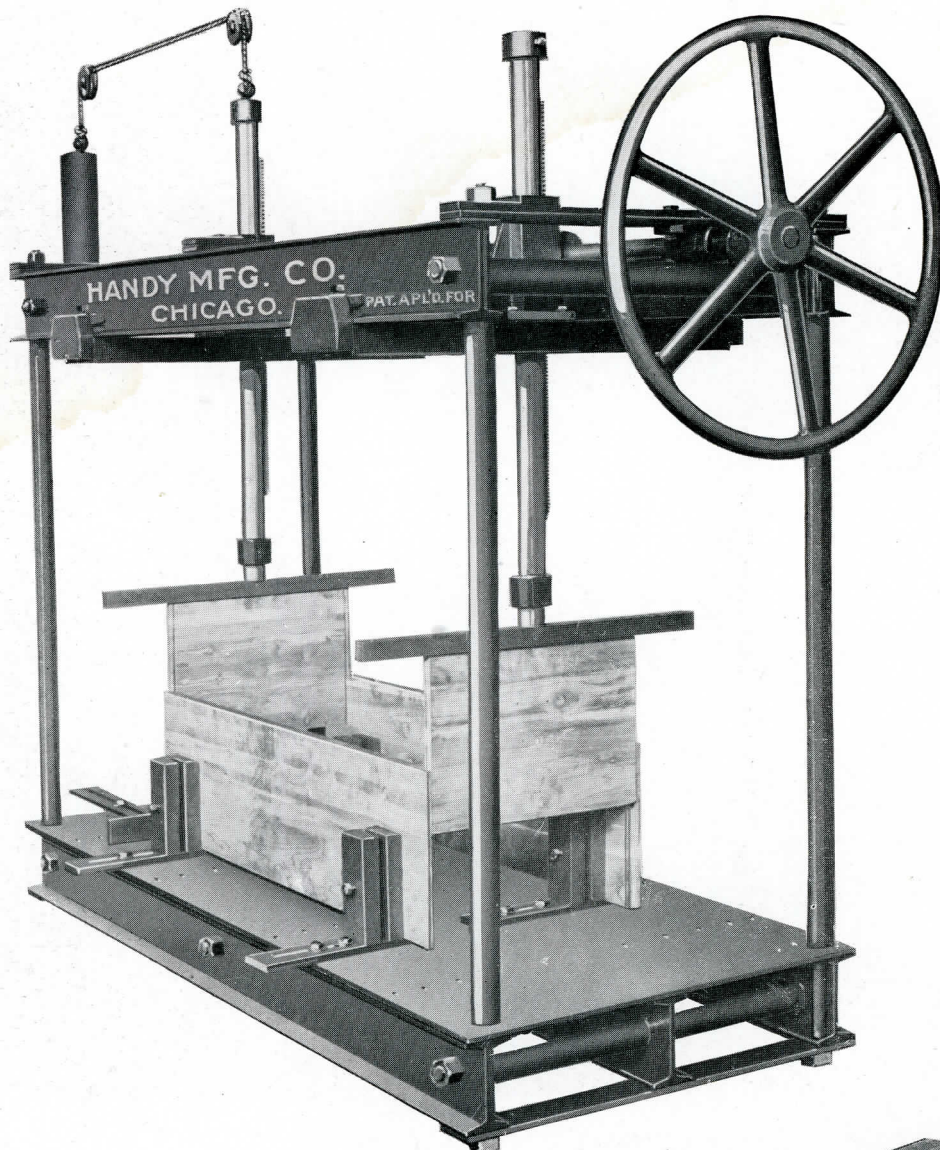
We will quote on and build this Clamp to take any variation in sizes, as machine is quickly adjusted from the smallest size you may specify to the largest.

In quoting we would also require the lowest and highest work to be assembled.

This Clamp is already in use in several Cedar Chest Factories and has proven quick and satisfactory in operation.

Weight for Cedar Chest size as shown about 1,000 lbs.

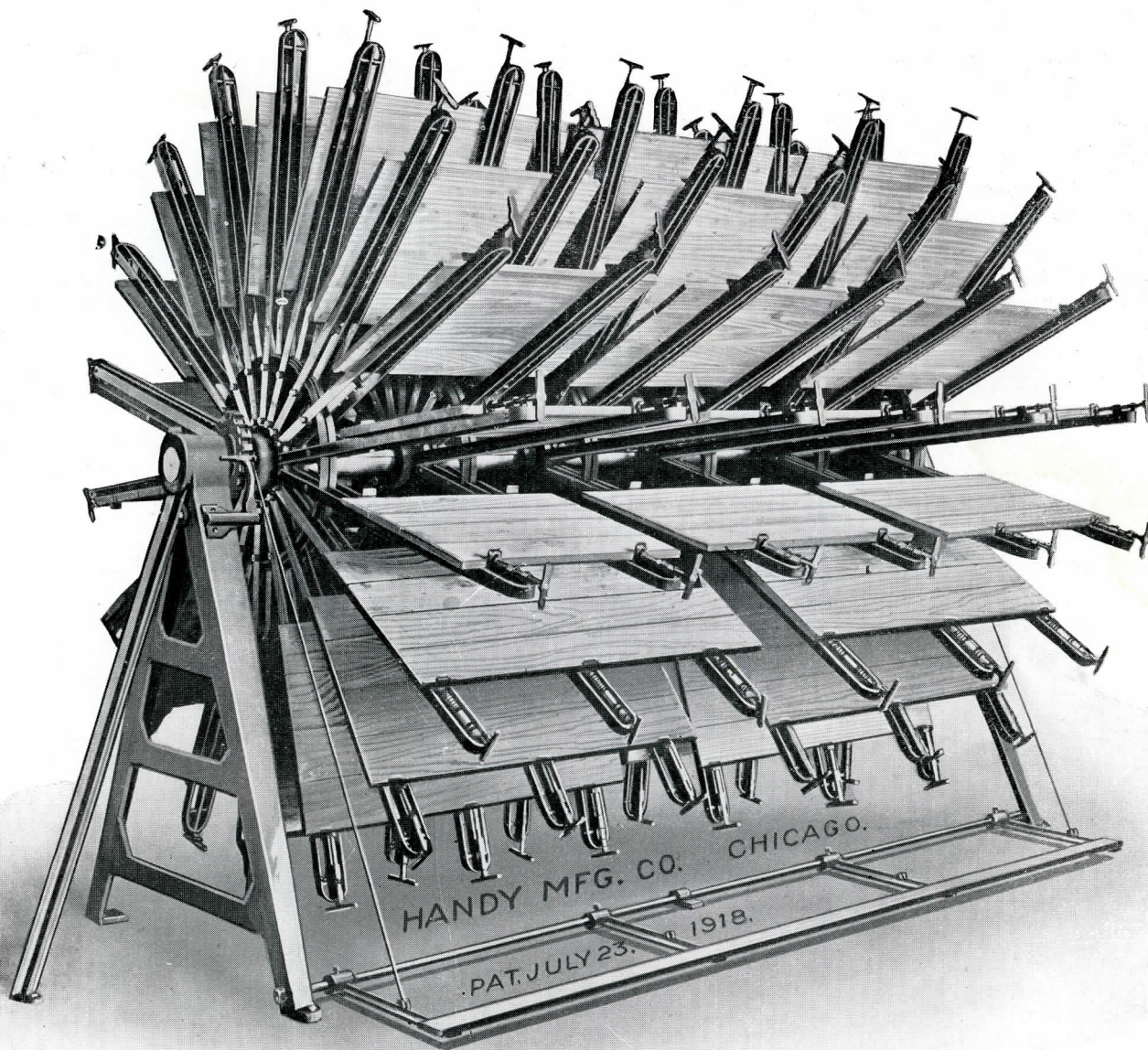
Machine No. 235.





HANDY MANUFACTURING CO., CHICAGO, ILL., U. S. A.

## All Steel and Iron Revolving Clamp Carrier



This cut shows machine 12 feet in the clear with 6 wheels. Many factories using our machine have reduced their clamping costs by one-half.



## HANDY MANUFACTURING CO., CHICAGO, ILL., U. S. A.

**T**HE "HANDY" CLAMP CARRIER combines the **speed, efficiency, quality and reliability** of a carrier at double the price.

Our machine has a 4-inch cold rolled steel shaft, any length desired up to 16 feet. This shaft has  $\frac{7}{8}$ -inch key running its entire length. The **clamp wheels** consist of two flanges 26 inches in diameter, and have a keyway running through the bore, permitting the flanges to slide lengthwise on the shaft. The **key** on the shaft prevents the flanges from **turning**.

Each **clamp wheel** has **18 clamps** and each **clamp** has **3 bars**. The center bar is placed between the pair of flanges, the other bars on either side. Two bolts, 7 inches apart, go through each 3-bar clamp and flanges, drawing them together. This **makes each clamp absolutely rigid**. No amount of **hammering on stock** will get clamps out of line. The clamps will **not bend** and **will not buckle** the stock, thus doing away with pressure clamps on top. There are less parts to break or wear out on this machine than on any other machine made.

To operate the carrier, step on any part of the foot treadle, which **releases** the **stop** at **each end**. Revolve carrier and it will **lock itself** at the **next stop**.

"Our Carrier" is as **quickly operated** as a power-driven machine—the only difference is that **instead of operator being idle** while the power-driven machine turns, he revolves our machine by hand. **Thus the time consumed is the same**.

A **strong point** is this: Owing to the construction of the "Handy" Carrier, a long machine can be used with as **few Clamp Wheels** as desired, and any number of clamp wheels **can be added** when wanted. We make three sizes of clamps for this machine, one to take in  $31\frac{1}{2}$ -inch, one to take in 38-inch and one to take in 42-inch. Height of carrier with  $31\frac{1}{2}$ -inch clamp, 9 ft. 3 in.; with 38-inch clamp, 10 ft. 4 in.; with 42-inch clamp, 11 ft. Six-wheel machine illustrated weighs about 4500 lbs.

### Machines

No. 110.	2-wheel machine with $31\frac{1}{2}$ -inch clamps and any length in the clear up to $14\frac{1}{2}$ feet.													
No. 111.	3	"	"	"	"	"	"	"	"	"	"	"	"	"
No. 112.	4	"	"	"	"	"	"	"	"	"	"	"	"	"
No. 113.	5	"	"	"	"	"	"	"	"	"	"	"	"	"
No. 114.	6	"	"	"	"	"	"	"	"	"	"	"	"	"
No. 115.	7	"	"	"	"	"	"	"	"	"	"	"	"	"
No. 116.	8	"	"	"	"	"	"	"	"	"	"	"	"	"
No. 117.	9	"	"	"	"	"	"	"	"	"	"	"	"	"
No. 120.	2-wheel machine with 38-inch clamps and any length in the clear up to $14\frac{1}{2}$ feet.													
No. 121.	3	"	"	"	"	"	"	"	"	"	"	"	"	"
No. 122.	4	"	"	"	"	"	"	"	"	"	"	"	"	"
No. 123.	5	"	"	"	"	"	"	"	"	"	"	"	"	"
No. 124.	6	"	"	"	"	"	"	"	"	"	"	"	"	"
No. 125.	7	"	"	"	"	"	"	"	"	"	"	"	"	"
No. 126.	8	"	"	"	"	"	"	"	"	"	"	"	"	"
No. 127.	9	"	"	"	"	"	"	"	"	"	"	"	"	"

**When ordering, specify distance in the clear for stock lengthwise.**

# "THE HANDY GLUE PRESS"

## All Steel and Malleable

### EQUIPPED WITH EITHER PATENTED SPLIT NUT OR SOLID NUT

Split bearing **reduces** to a **minimum** the **time** it takes **operator** to work **screws up or down** each time he changes the height of stock to be glued.

A  $\frac{3}{8}$ -turn of handle **opens or closes** nut. When "split bearing" or nut is opened, screw can be pushed up or down. **When pushed to the top**, the screw will **fasten to a hook**, so there is **no need of closing the nut when not in use**.

It is a great convenience for operator to always **move screw up to the top** when placing work on bed to be glued, **giving plenty of room to work**.

To illustrate what the quick-acting "Handy" Glue Press **means to you**. Supposing you have a press with 30 screws and your operator wishes to move them all 10 inches, each screw requires 3 turns to the inch; therefore your operator would have to make **900 turns by hand** to accomplish this, whereas with the "Handy" patent he only needs to **throw handle  $\frac{5}{8}$  of a turn** and push screws up to the top, **to HANG THERE** until he has his work in place, when he **lets them drop**, closes the nut with another  $\frac{5}{8}$  turn of the handle and applies pressure.

Press is constructed of **steel beams**, unbreakable, and all castings are **best malleable**.

**We do not use** cast iron in our presses.

The **screws**, 2 inches in diameter and 24 inches long, are made of **cold rolled steel** and have a **full depth standard acme thread**. Screws will travel up and down 17 inches.

**Cross beams** slide easily on roller bearings, full length of press. **Screw bearings** slide **full length of cross beams**.

Workmanship, material and finish are the best.

The "**HANDY GLUE PRESS**" is far superior to the old style cast iron press and is **guaranteed** against **wear and breakage**. It will turn out more work than old style sectional press. **One man** can do the work **alone** with our **open front** presses.

Do away with your old wooden construction. **Buy an up-to-date "Handy Glue Press."**

There is a center support for all presses of 8 feet long and over.

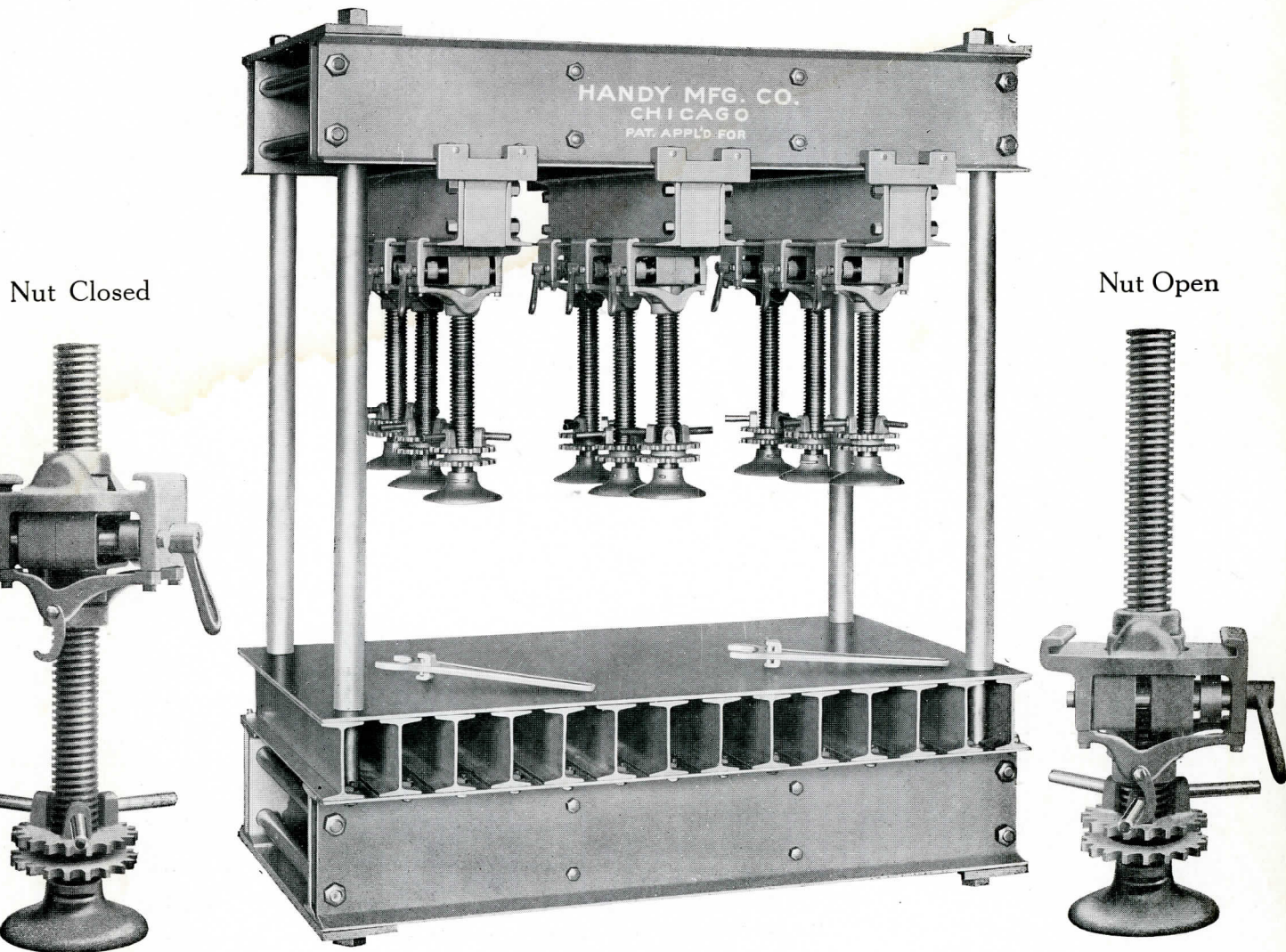
**Patented ratchet wrench fits between double sprocket**. See cut of sprocket on screws on opposite page.

**Ask for further information**. We make presses of any length and width desired and with any number of cross beams and any number of screws on each cross beam. Write us for **prices** and state **dimensions** desired. Consult page 52 for list of standard sizes.



HANDY MANUFACTURING CO., CHICAGO, ILL., U. S. A.

## All Steel Quick Acting Veneer Press



Patented November 10, 1914

Press shown above is 5 ft. x 3 ft. in the clear

Ask Us Names of Factories Near You Using "Handy Products"

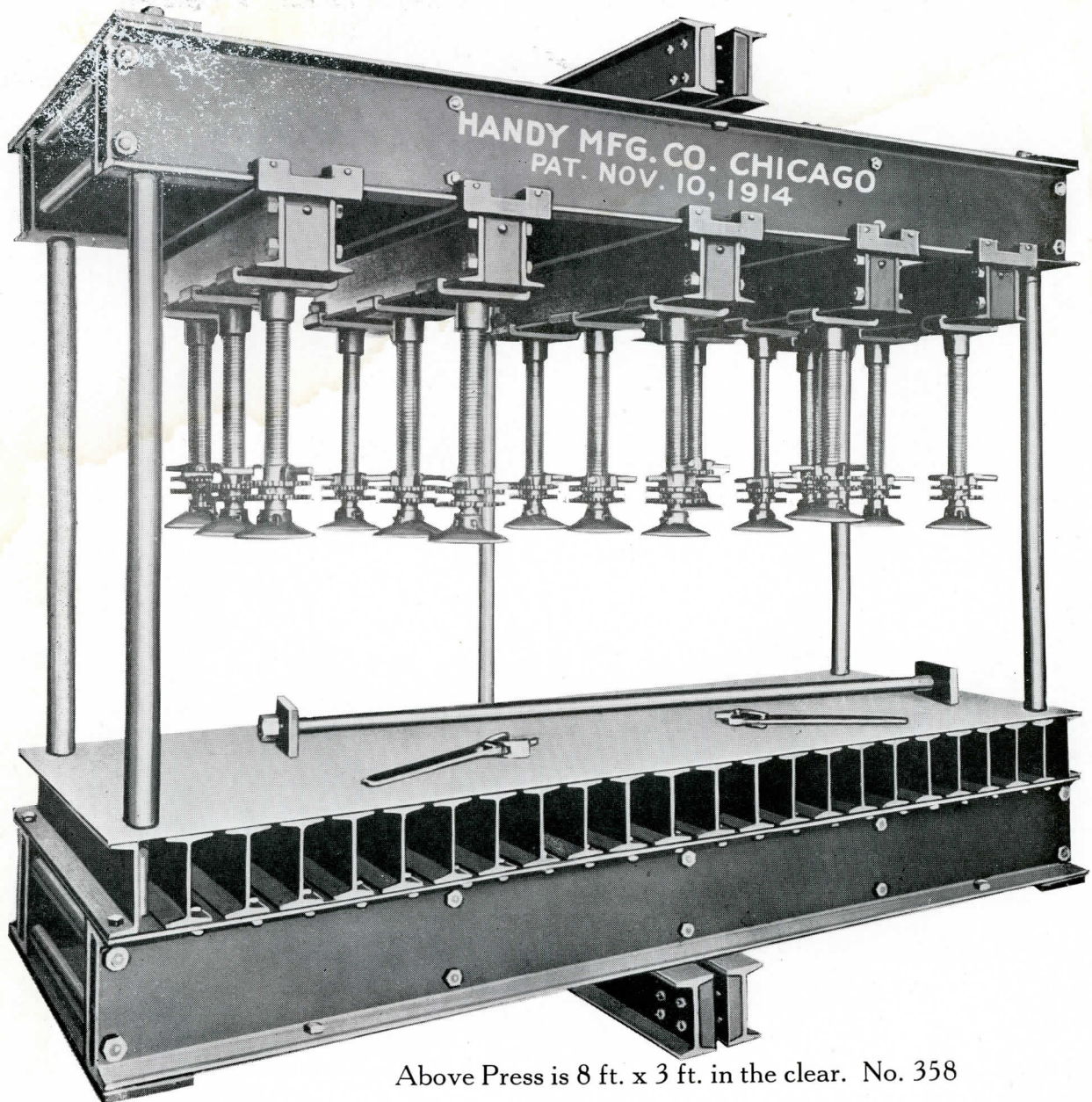
## List of Standard Sizes "Handy" Steel Presses

IN THE CLEAR		CROSS BEAMS	SCREWS	WEIGHT ABOUT (POUNDS)	PRESS NUMBER
LENGTH FEET	WIDTH FEET				
16	5	10	40	15000	346
16	4	10	30	13000	347
16	3	10	30	10000	348
14	5	9	36	13500	349
14	4	9	36	12000	350
14	3	9	27	9000	351
12	4	8	32	9500	352
12	3	8	24	7000	353
10	4	6	24	8000	354
10	3	6	18	6000	355
10	2	6	12	4000	356
8	4	5	20	6000	357
8	3	5	15	4500	358
8	2½	5	10	4000	359
8	2	5	10	3600	360
8	1½	5	5	3000	361
7	3	4	12	4000	362
7	2½	4	8	3500	363
7	2	4	8	3000	364
6	3	4	12	3600	365
6	2½	4	8	3000	366
6	2	4	8	2650	367
5	3	3	9	3000	368
5	2½	3	6	2600	369
5	2	3	6	2200	370
4	3	3	9	2400	371
4	2½	3	6	2000	372
4	2	2	4	1600	373
3	2	2	4	1200	374
2	2	2	4	800	375
1½	1½	2	2	600	376



HANDY MANUFACTURING CO., CHICAGO, ILL., U. S. A.

## All Steel Veneer Press—with Solid Nuts



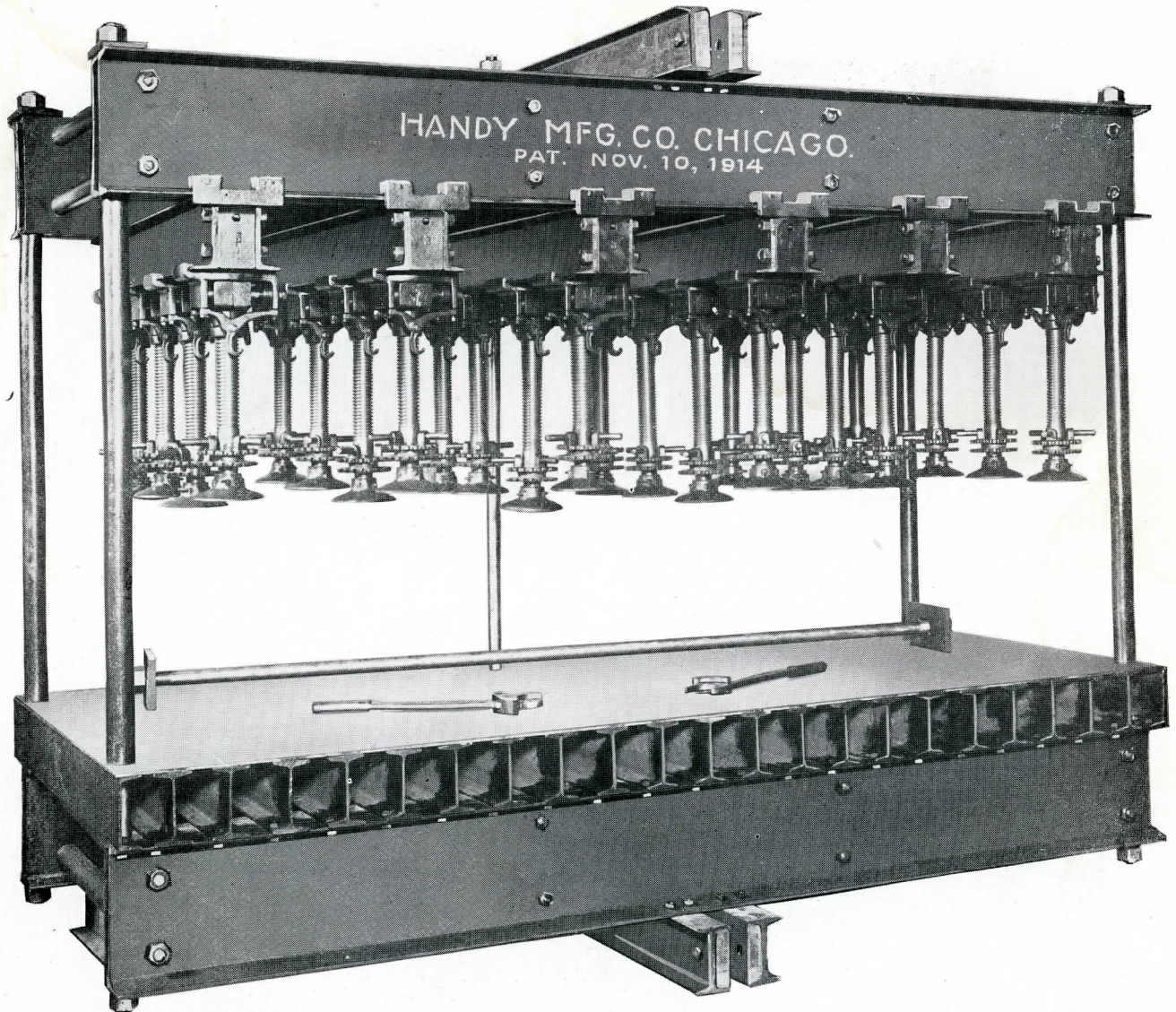
Above Press is 8 ft. x 3 ft. in the clear. No. 358

WE LEAD IN "GOOD IDEAS." The CORRECT way to build a Veneer Press is to put the CENTER SUPPORT underneath the press as shown on cut. There is a center support for all presses 8 ft. long and over. See page 50 for description.



HANDY MANUFACTURING CO., CHICAGO, ILL., U. S. A.

## All Steel Veneer Press—with Split Nuts



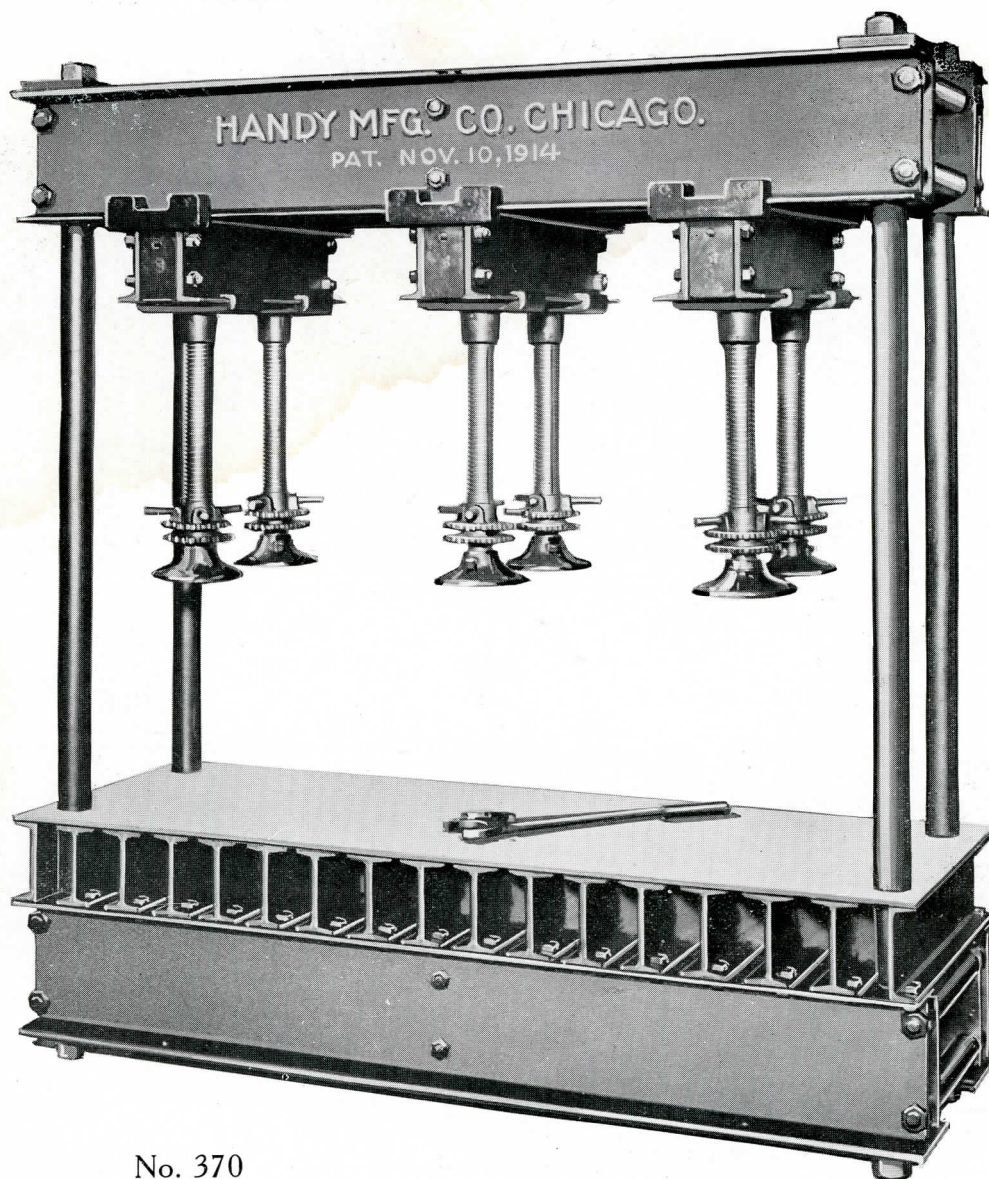
Press illustrated on this page is 10 feet long and 4 feet wide in the clear, with six Cross Beams and 24 screws working in Patent Quick-Acting Bearings. For full particulars read our description on page 50. Weight about 8000 lbs.

Let us quote you on any size press suitable for your needs with either solid or Quick-Acting Bearings. Ask for names of factories near you using "Handy" Presses.

Consult page 52 for list of standard sizes.



## All Steel Veneer Press



No. 370

Above illustration shows steel press 5 feet long and 2 feet wide in the clear, with 3 cross beams and 6 screws with solid bearings. For full particulars applying to all sizes of presses read description on page 50. Machine weighs about 2200 lbs.

Consult page 52 for list of standard sizes.

Ask us for price on Press suitable for your needs.

## All Steel Veneer Press



Above cut shows press with Solid Bearings 12 feet long, 16 inches wide in the clear. We will build any size press to **your specifications**. All presses can be fitted with our Patented "Quick-Acting Nut," as shown on page 51 of our catalogue. Read description applying to all presses on page 50. Consult page 52 for list of standard sizes. Weight about 5000 lbs.



## All Steel Press with Quick Acting Bearing No. 340

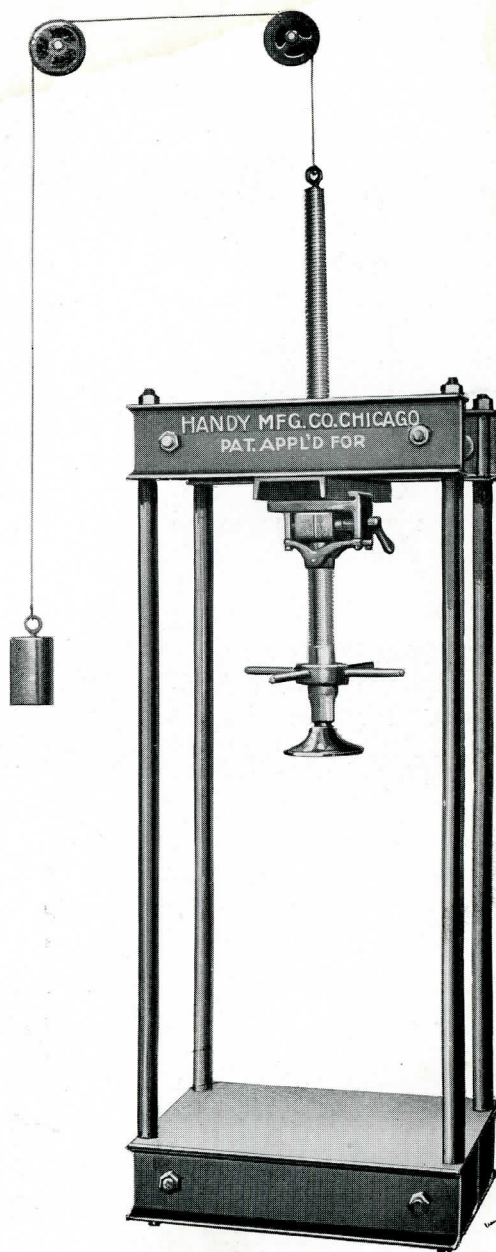
This press is 24" x 20" in the clear and equipped with Quick-Acting Bearing and extra long screw having a travel of 30 inches; measures 36 inches from bed plate to end of screw. This press is suitable for any work within its reach, such as glueing on tops and bottoms on boxes. Also much in use in paper and printing plants for pressing down stacks of paper to be edge sprayed. This machine weighs about 300 pounds.

We build presses to your specifications with either solid or Quick-Acting Bearings.

We do not furnish pulleys or weights.

Any of our presses with Quick-Acting Bearings can be equipped with counter weights and pulleys as shown here.

Press No. 340.



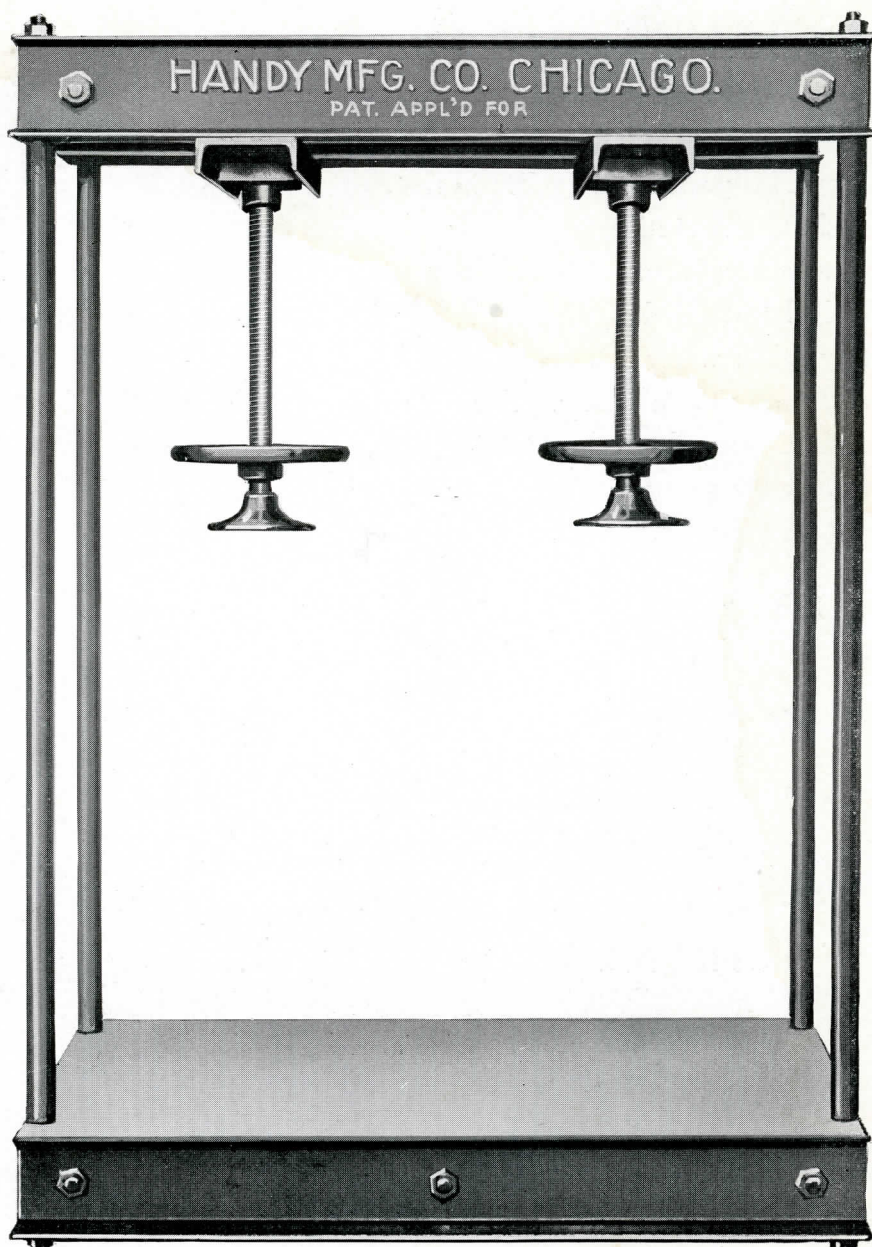
## All Steel Press for Talking Machine Cabinet Construction No. 310

Steel press shown here is 4 feet long and 2 feet wide in the clear and measures 50 in. from Bed surface to end of screw when all the way up, which gives ample room for two Cabinets when clamping on the top rim, or for two stacks of Domes when clamping on the covers. This press is built up from 6-in. steel beams. Uprights are cold-rolled steel. Screws are cold-rolled steel  $1\frac{1}{2}$  in. in diameter. Wheels for applying pressure which we have substituted for the ratchet wrench ordinarily used are 16 in. in diameter and makes press very easy to operate on this class of work. Flanges at the end of screws are  $6\frac{1}{2}$  inches in diameter.

Press weighs about 650 pounds.

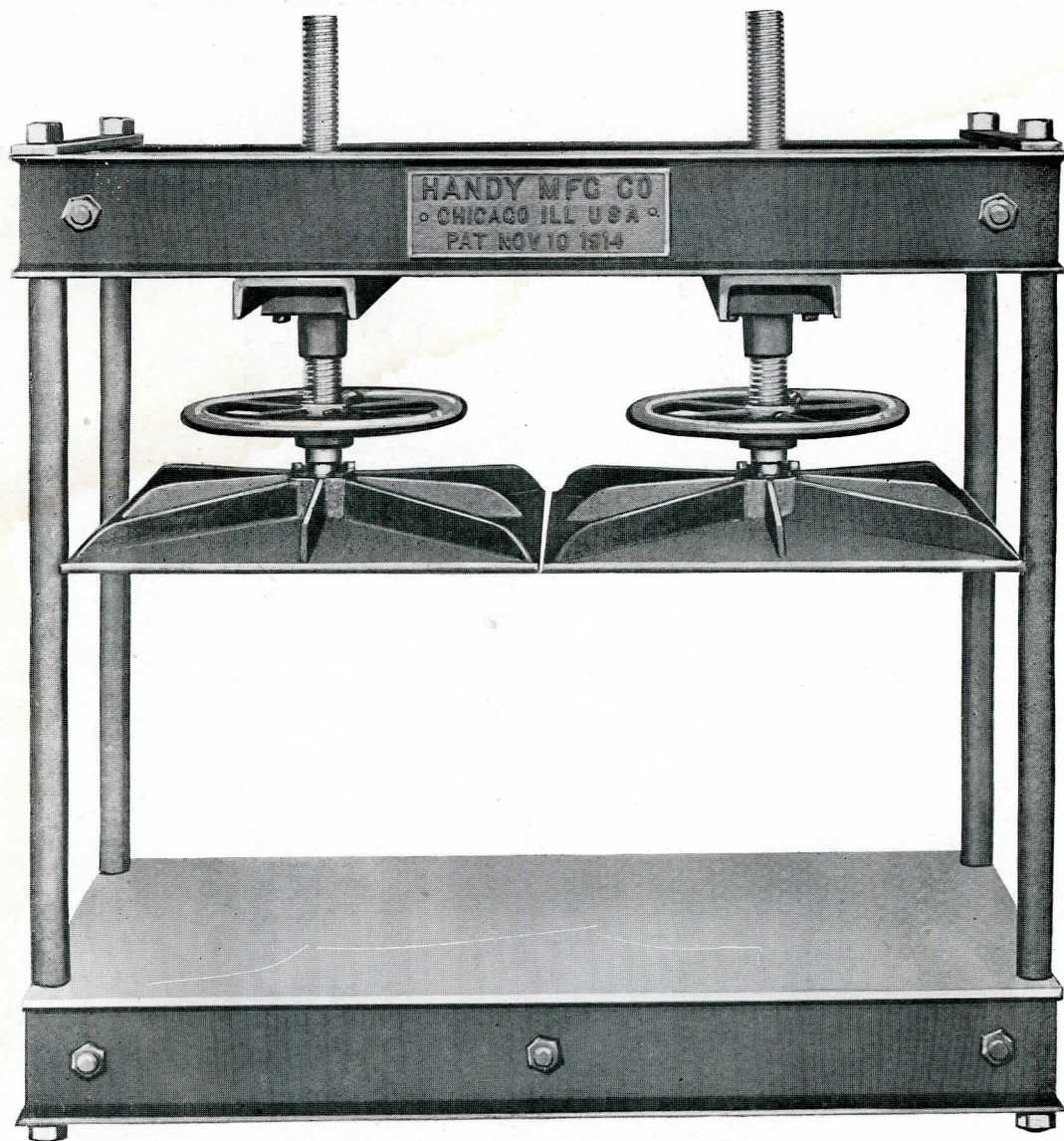
We make presses any size desired.

Press No. 310.





## All Steel Press No. 320



Specifications are the same as press on opposite page, except that it has pressure plates 24" x 24" instead of flanges at the end of each screw; also screws are 2" in diameter. Weight 900 lbs. Press No. 320.

Can furnish plates 24" x 24" as above for any style press at an additional cost for each plate of \$18.00.

## All Steel Sectional Press No. 330

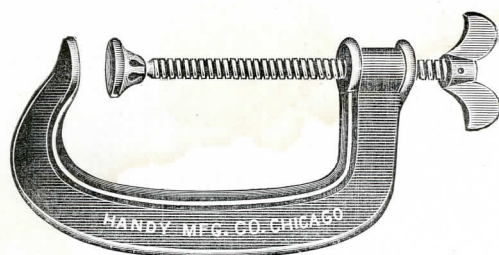


Press shown above is 40 inches long between rods and 11 inches wide. It has three 2-inch screws, adjustable along entire length of press. Pressure applied with ratchet wrench. Several presses like this in a row will do the work of a large press and can always be added to. Weight about 475 lbs. We will quote on any size sectional press desired.

Press No. 330.



## Carriage or Machine Clamp



STYLE G

Per doz.

No. 508 takes in work up to 6 inches.....\$13.00

No. 509 " " " " " 8 " ..... 15.00

This Clamp is made of the best malleable iron, heavily ribbed to prevent twisting.

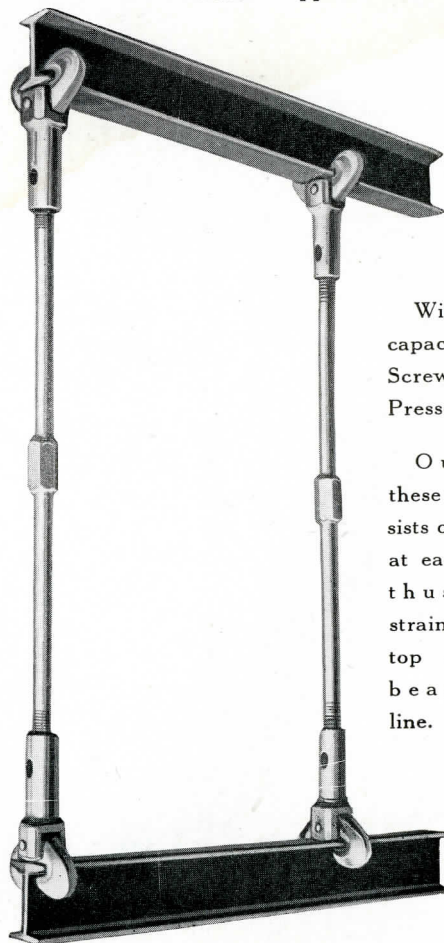
Screw is  $\frac{5}{8}$ " in diameter and cut from cold rolled steel, which gives a smooth and even thread.

We use this same screw on all our clamps shown in this catalogue.

Button on end of screw will not come off.

## Single Beam Retainers

Patent Applied For



Will increase your capacity on either Screw or Hydraulic Presses.

Our feature on these retainers consists of a flexible joint at each end of rods, thus lessening the strain on rods when top and bottom beams are not in line.

When ordering, state extreme inside opening between the Beams. Each Beam is 4 inches high.

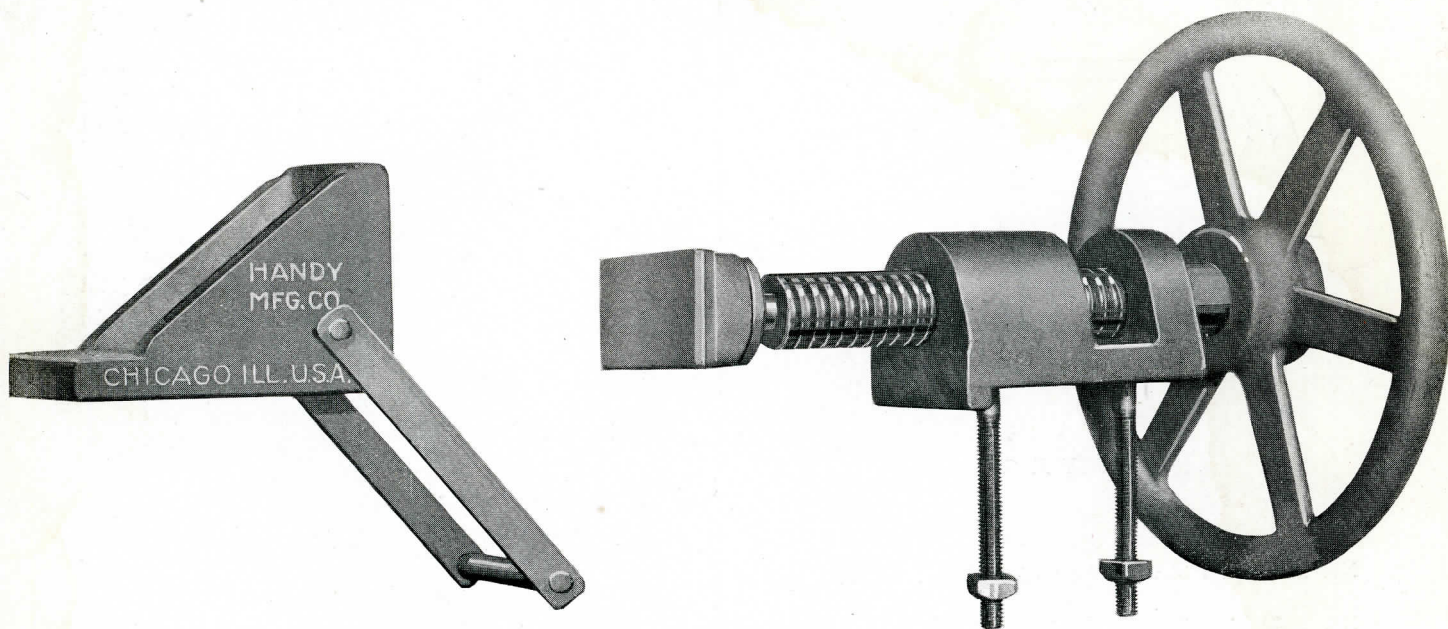
	Per set
No. 501 for stock up to 18 inches in width....	\$ 9.00
No. 502 " " " " 24 " " " ....	9.50
No. 503 " " " " 30 " " " ....	10.00
No. 504 " " " " 36 " " " ....	10.50
No. 505 " " " " 42 " " " ....	11.00
No. 506 " " " " 48 " " " ....	11.50
No. 507—Rods only (no Beams).....	7.00

Above illustration is one set.

## All Steel and Iron Wood Beam Clamp Fixture

Patented Double Bearing

Patented January 11, 1910



STYLE Z

The "Handy" Wood-Beam Clamp Fixture is all steel and iron, extra heavy. It will fit any size wood beam up to  $3\frac{1}{2}$ " x  $4\frac{1}{2}$ ". The screw is made from  $1\frac{1}{2}$ " cold-rolled steel with three threads to the inch and will travel 6 inches. The clamping surface of saddle or backstop is  $3\frac{7}{8}$ " high. The wheel is 12 inches in diameter. The fixture complete weighs 40 lbs.

No. 515. Price, \$11.25 per set, as per cut.

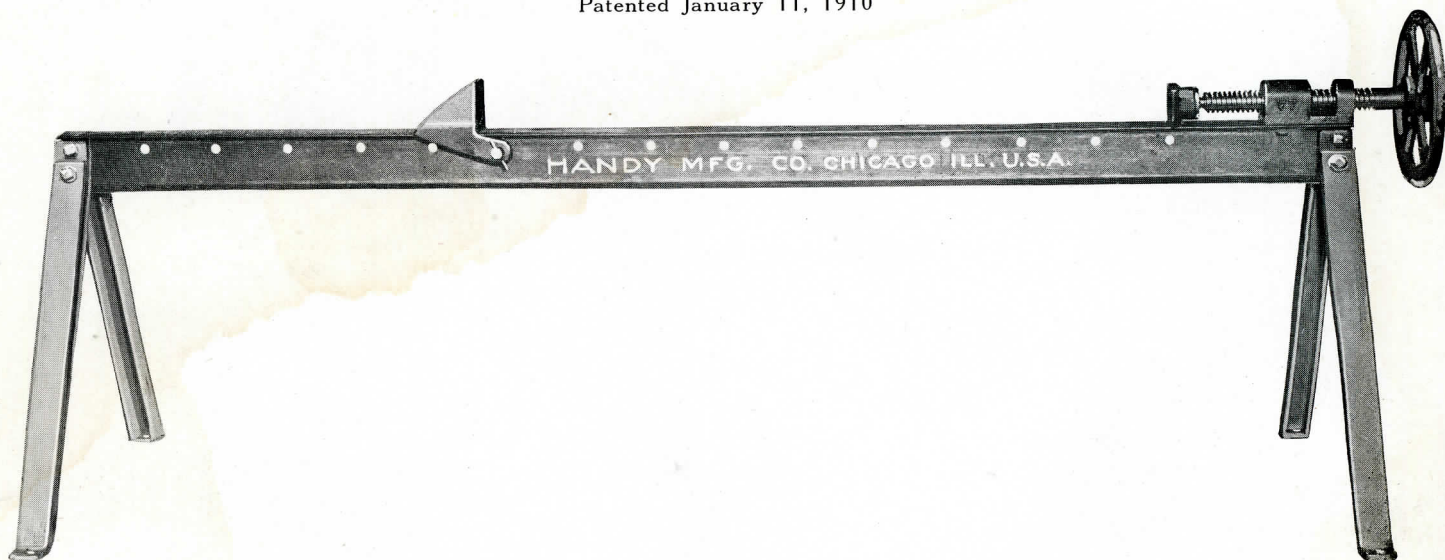
No. 516. Price, \$9.25 without backstop.



## All Steel and Iron Beam Trestle Clamp

Patented Double Bearing

Patented January 11, 1910



### STYLE V

The "Handy" Trestle Clamp has a heavy  $7\frac{1}{2}$ -pound-to-the-foot steel beam, strong, well-braced legs and stands 26 inches from the floor. The screw is made from  $1\frac{1}{2}$ " cold-rolled steel, it has three threads to the inch and will travel  $7\frac{1}{2}$ ".

The saddle or backstop is  $3\frac{1}{2}$ " high.

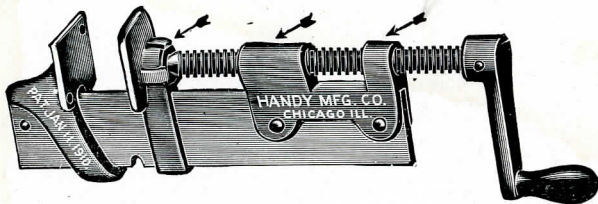
The wheel is 12" in diameter.

						Price each	Weight, with Legs
No. 520	will clamp	4 feet	in the	clear	- - -	\$23.00	135 lbs.
" 521	"	6 "	"	"	- - -	24.00	150 "
" 522	"	8 "	"	"	- - -	25.00	165 "
" 523	"	10 "	"	"	- - -	26.00	180 "
" 524	"	12 "	"	"	- - -	27.00	195 "

525—If no legs are desired, deduct \$7.50 from above prices.

# Tempered Indestructible Steel Bar Clamps

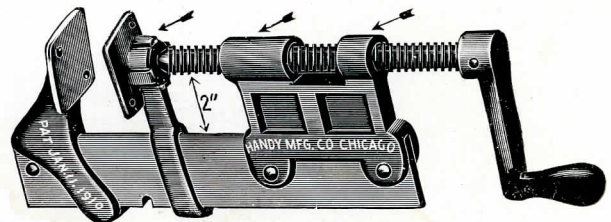
Patented January 11, 1910



STYLE C

Size of bar,  $1\frac{3}{8} \times 5-16$  inch  
For stock up to 2 inches in thickness

1	ft., per doz....	\$21.00	7	ft., per doz....	\$33.00
1½	" " "....	22.00	8	" " "....	35.00
2	" " "....	23.00	9	" " "....	37.00
2½	" " "....	24.00	10	" " "....	39.00
3	" " "....	25.00	11	" " "....	41.00
3½	" " "....	26.00	12	" " "....	43.00
4	" " "....	27.00	13	" " "....	45.00
5	" " "....	29.00	14	" " "....	47.00
6	" " "....	31.00	15	" " "....	49.00



STYLE F

Size of bar,  $1\frac{1}{2} \times 5-16$  inch

Gives center pressure on stock up to 4 inches in thickness

1	ft., per doz....	\$25.00	5	ft., per doz....	\$33.00
1½	" " "....	26.00	6	" " "....	35.00
2	" " "....	27.00	7	" " "....	37.00
2½	" " "....	28.00	8	" " "....	39.00
3	" " "....	29.00	9	" " "....	41.00
4	" " "....	31.00	10	" " "....	43.00



Handle No. 2



Handle No. 3

We can furnish either Handle No. 2 or No. 3 on any style of Clamps without extra charge. If not specified we furnish handles as shown on Clamp cuts. This is the only Clamp made that has two bearings for screw to work in, which feature increases the life of the Clamp 100%.

Malleable castings only used on Handy Clamps.

**Steel bar guaranteed not to bend.** Made of tempered, indestructible spring steel.

**Saddle made of one piece.** Held in place by notches on steel bar.

No catches or small parts to get out of order.

**Solid handle** made of one piece.

Screw is cold-rolled steel  $\frac{5}{8}$  inch in diameter and will travel  $3\frac{1}{2}$  inches forward or back.

"HANDY" CLAMPS are different; **they will not buckle the stock.** Try them and note the difference.

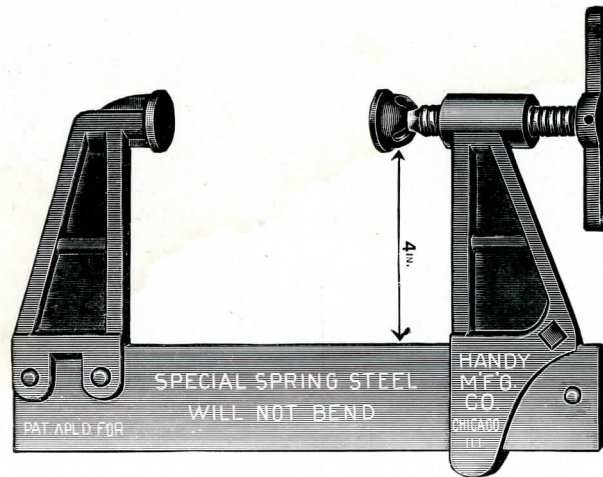
Write for **name of factories near you** using "Handy Products."

Sizes given above means width of stock clamps will take in.

**ORDER SAMPLE**



## Tempered Indestructible Steel Bar Clamp



### STYLE S

4 inch per doz.	- -	\$23.00	2 ft. per doz.	- -	\$27.00
6 " "	- -	23.50	2½ " "	- -	28.00
8 " "	- -	24.00	3 " "	- -	29.00
10 " "	- -	24.50	4 " "	- -	31.00
1 ft. "	- -	25.00	5 " "	- -	33.00
1½ " "	- -	26.00	6 " "	- -	35.00

1—For glueing wide stock, also for clamping **forms** and **stops** on machines **QUICK-ADJUSTING**.

2—Center pressure 4" above the bar.

3—**Steel bar guaranteed not to bend.** Made of tempered, indestructible spring steel, size 2" x 3/8".

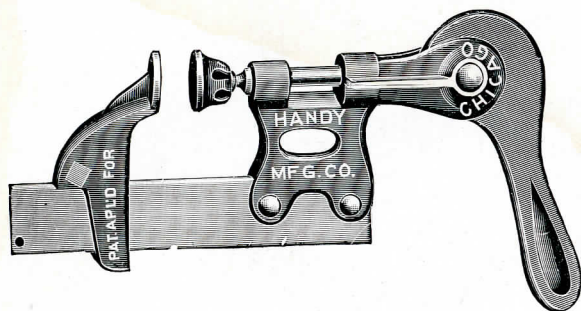
4—**Saddle made of one piece, with special tool steel stops.** It is **QUICK-ADJUSTING** and will stop any place on bar and **cannot slip**.

5—Size of screw 5/8", made of cold-rolled steel. All castings are best malleable. Button on end of screw guaranteed not to come off.

6—Sizes given above mean width of stock clamps will take in.

## Steel Eccentric Clamp

TEMPERED INDESTRUCTIBLE STEEL BAR  
WILL NOT BEND



Patent Applied For

STYLE X

1 ft., per doz....	\$18.50	4 ft., per doz.....	\$24.50
1 1/2 " " " ....	19.50	5 " " " ....	26.50
2 " " " ....	20.50	6 " " " ....	28.50
2 1/2 " " " ....	21.50	7 " " " ....	30.50
3 " " " ....	22.50	8 " " " ....	32.50

We have overcome all the "weak points" of other makes. The Handy is supreme.

1. Bar is made of tempered indestructible steel, guaranteed not to bend. Size of steel, 1 3/8 by 5-16 inch.

2. New improved quick-adjusting saddle that will not slip, when work is hammered in place, after applying pressure.

3. Patent double bearing for plunger strengthens and holds it rigid.

4. Eccentric works between two flanges, thus giving a double bearing for the shaft.

5. The pressure is quickly applied with one move of the eccentric lever.

6. Be convinced of its superiority by ordering sample. All parts are made of malleable and cold rolled steel, excepting the bar, which is tempered spring steel and will not bend. Button will not come off. You cannot realize the improvements made on this Clamp, unless you see them.

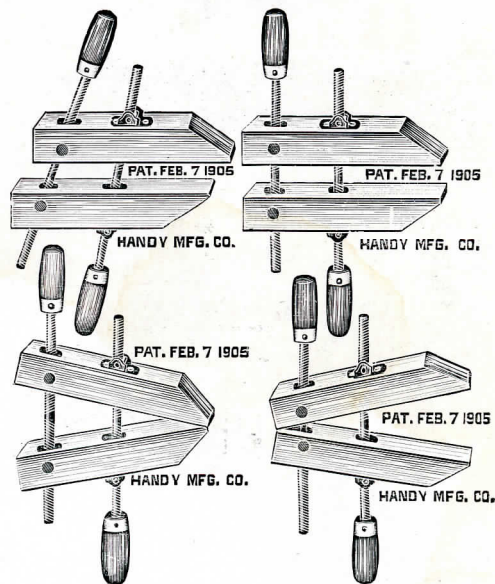
Sizes given above mean width of stock clamps will take in.

There is a factory near you using "Handy Products."

We guarantee all our Clamps.

ORDER SAMPLE

## Steel Spindle Adjustable Hand Screw



STYLE A

Can be kept rigid or adjustable to any position

STRONGEST HAND SCREW MADE

Gives more pressure than any other Steel Spindle Hand Screw.

Order by these Nos.	From Center Spindle to End of Jaw	Will Open	Size of Spindle	Per doz.
A 6	5 inches	6 inches	7-16 in. Dia..	\$15.00
A 8	6 "	8 "	7-16 " " ..	15.50
A10	6 1/2 "	10 "	7-16 " " ..	16.50
A12	8 "	12 "	1-2 " " ..	20.00
A14	10 "	15 "	1-2 " " ..	22.00

The jaws are made of the best seasoned maple and have but one hole through center.

Having only one hole in center, jaw keeps all possible strength. Spindles work in metal nuts and bearings, making Clamp rigid but easily adjustable when wanted. Clamps work nearly twice as fast as common wood screw, because spindles have a right and left thread and more work can be done in a given time. It gives a tighter grip than is possible with wood screws and less power is required. Handles guaranteed not to get loose. Glue cannot stick to the spindles. The best cold rolled steel is used.

ORDER SAMPLE



## All Steel and Iron Frame Clamp



STYLE N

Prices of Clamp with Chain

	Per doz.		Per doz.
4 ft. chain.....	\$64.00	15 ft. chain.....	\$75.00
6 " " " " " " " "	66.00	16 " " " " " " " "	76.00
8 " " " " " " " "	68.00	17 " " " " " " " "	77.00
10 " " " " " " " "	70.00	18 " " " " " " " "	78.00
11 " " " " " " " "	71.00	20 " " " " " " " "	80.00
12 " " " " " " " "	72.00	22 " " " " " " " "	82.00
13 " " " " " " " "	73.00	24 " " " " " " " "	84.00
14 " " " " " " " "	74.00		

State if "high" or "low" corners are desired.

Saves time and is especially designed for use in furniture factories for clamping mitred glass frames on cases; also in great demand where talking machine cabinets are made.

The "Handy" Frame Clamp is valuable on mitred boxes.

It is the best Clamp for use on any work, either high or low, that has four mitred corners.

"Low" Style with corners  $1\frac{1}{8}$  inch in height is most suitable for glueing glass frames.

"High" Style with corners  $2\frac{1}{4}$  inches in height for wider work. Each corner piece has screw holes, so that on offset edges there can be a mate of wood screwed on to match shape of frame.

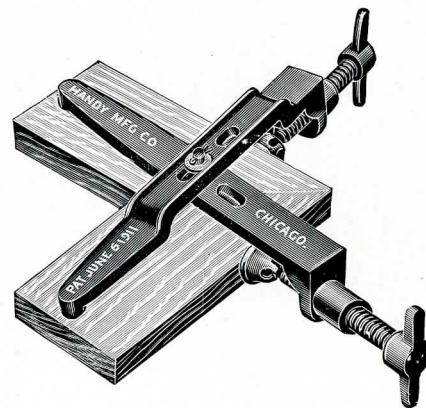
The "Handy" tightening device works with right and left thread, in order to insure uniform pressure at all four corners. In ordering, state the style you desire, either "high" or "low."

ADD one foot extra chain to actual length needed. Clamp can be used for any work below its size.

ORDER SAMPLE

## All Steel and Iron Mitre Clamp

Patented July 6, 1911



STYLE M

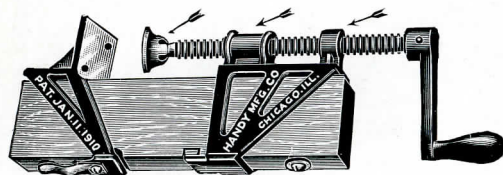
Per dozen, \$29.00

1. It is the only Mitre Clamp that will take in and glue any width perfectly, for it always gives center pressure. Will work alike on straight or sprung mouldings.
2. It is adjustable. By turning the two screws back or forth, the work can instantly be lined up without any hammering.
3. It is necessary to drill holes only  $\frac{1}{8}$  inch in depth.
4. It has been thoroughly tested and is used by all the largest interior finish factories at the present time.
5. Made of malleable and cold rolled steel.

ORDER SAMPLE

## Wood Bar Malleable Clamp Fixture

Patented January 11, 1910



STYLE D

FIXTURE ONLY

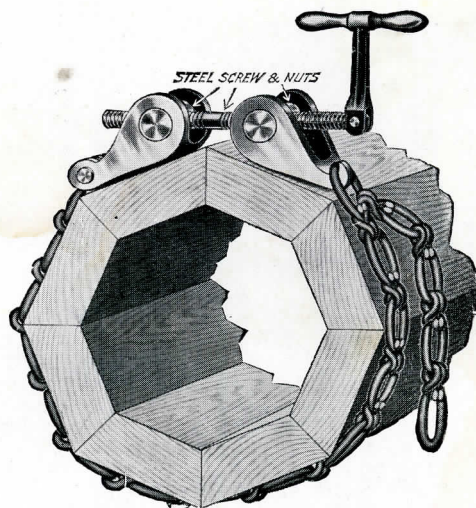
Price per dozen sets, \$15.00

THE SCREW FIXTURE is held to a  $2\frac{1}{2} \times 1\frac{1}{4}$ -inch wood bar, by means of LUGS in fixture, fitting into notches on wood bar, as shown in cut, also a BOLT going THROUGH WOOD, which, with the DOUBLE BEARING, makes it a better Clamp Fixture than any on the market.

Will wear twice as long as the cheap or low priced kind.

## Column Clamp

Saves you time and labor



STYLE B

For clamping all kinds of staved columns, tanks or any round or polygon forms from 4 inches in diameter up.

Greatest labor-saving device on the market. Stock size takes column 16 inches in diameter and under.

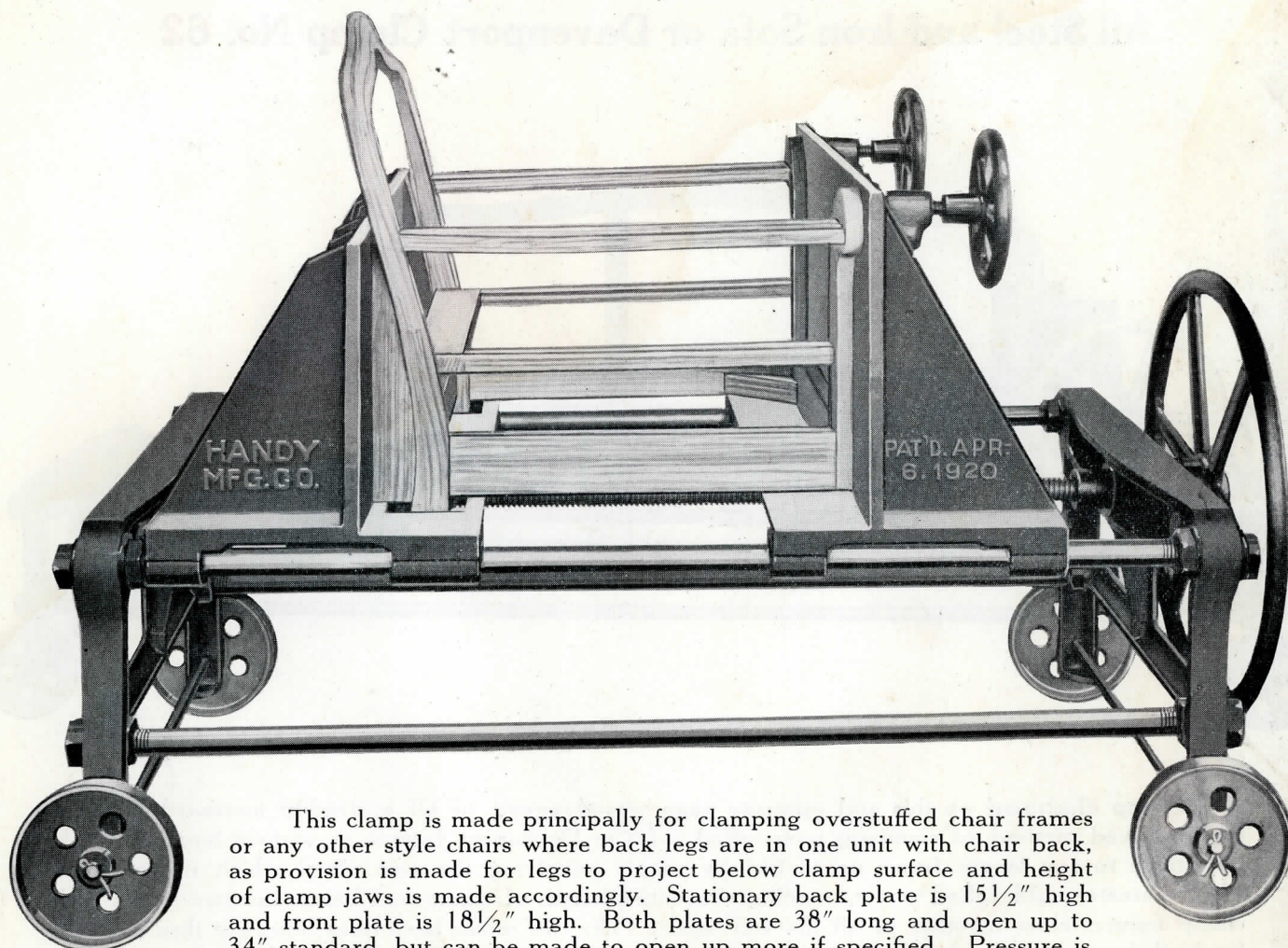
Price, with 4 ft. chain, as above,  
per dozen, \$40.00

To operate the clamp, the screw is turned until the two lugs are at or near its extreme ends. The chain is then thrown around the column with the loose end and handle toward the operator. Now pull the chain together as tight as convenient by hand, and slip the nearest link into the hook. The screw is next turned to pull the two lugs together. Now tap the staves from all sides with a hammer or mallet, and then give the screw another quarter or half turn to take up the slack thus made in the chain. Leave the clamps on long enough for the glue to set.

Use seven clamps to an 8 ft. shaft; other lengths in proportion. By this method one man can glue up an ordinary column in from four to six minutes.



## All Steel and Iron Chair Clamp No. 54



This clamp is made principally for clamping overstuffed chair frames or any other style chairs where back legs are in one unit with chair back, as provision is made for legs to project below clamp surface and height of clamp jaws is made accordingly. Stationary back plate is  $15\frac{1}{2}$ " high and front plate is  $18\frac{1}{2}$ " high. Both plates are 38" long and open up to 34" standard, but can be made to open up more if specified. Pressure is applied by 28" diameter wheel which operates the  $1\frac{1}{2}$ " cold rolled screw running the entire length of clamp. The two top pressure fixtures are for emergency only, in case of open joints due to shrinkage, etc. Unless otherwise specified these are mounted to give center pressure 29" apart. The screw on these is 1" and wheel 9" diameter. Holes in stationary back plate to allow for legs to drop thru are made to accommodate chair, measuring from 20" to 24" between back legs (inside measurements) unless otherwise specified. Height of clamp surface from floor is 24" which along with the open side feature of this clamp, makes it easy for operator to block and nail.

Weight 1000 lbs.

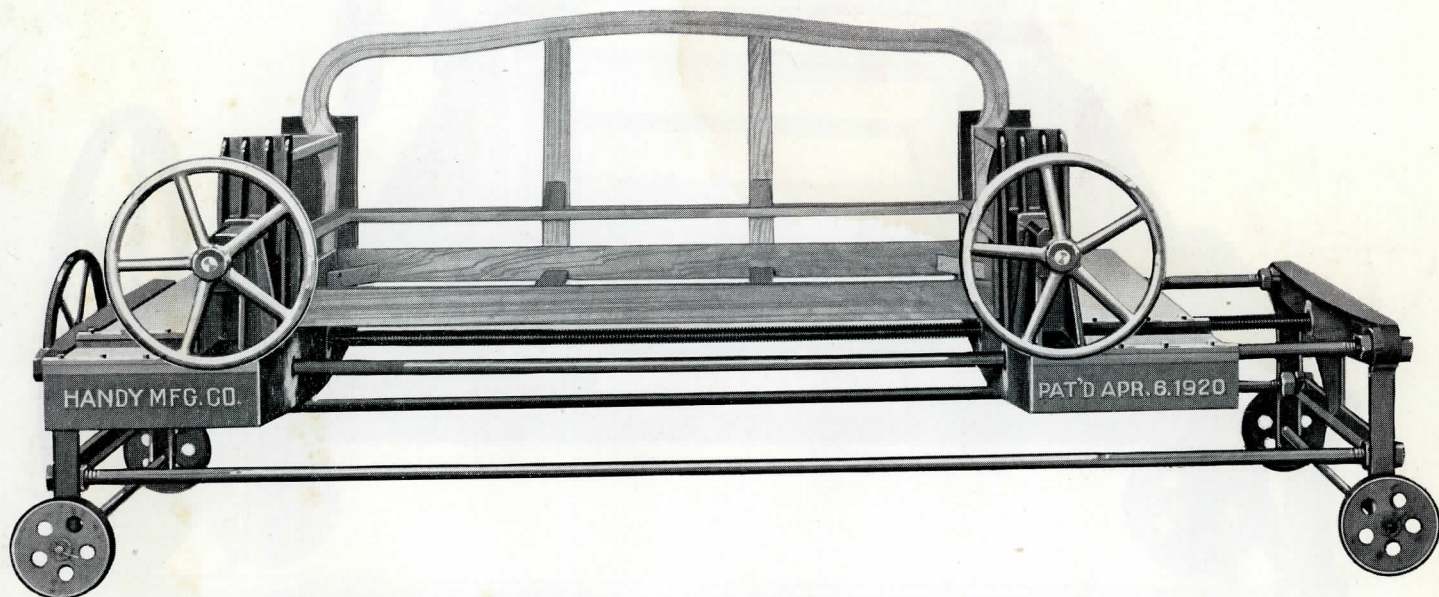
Machine No. 54

Price \$300.00

SUPPLEMENT TO CATALOG No. 31



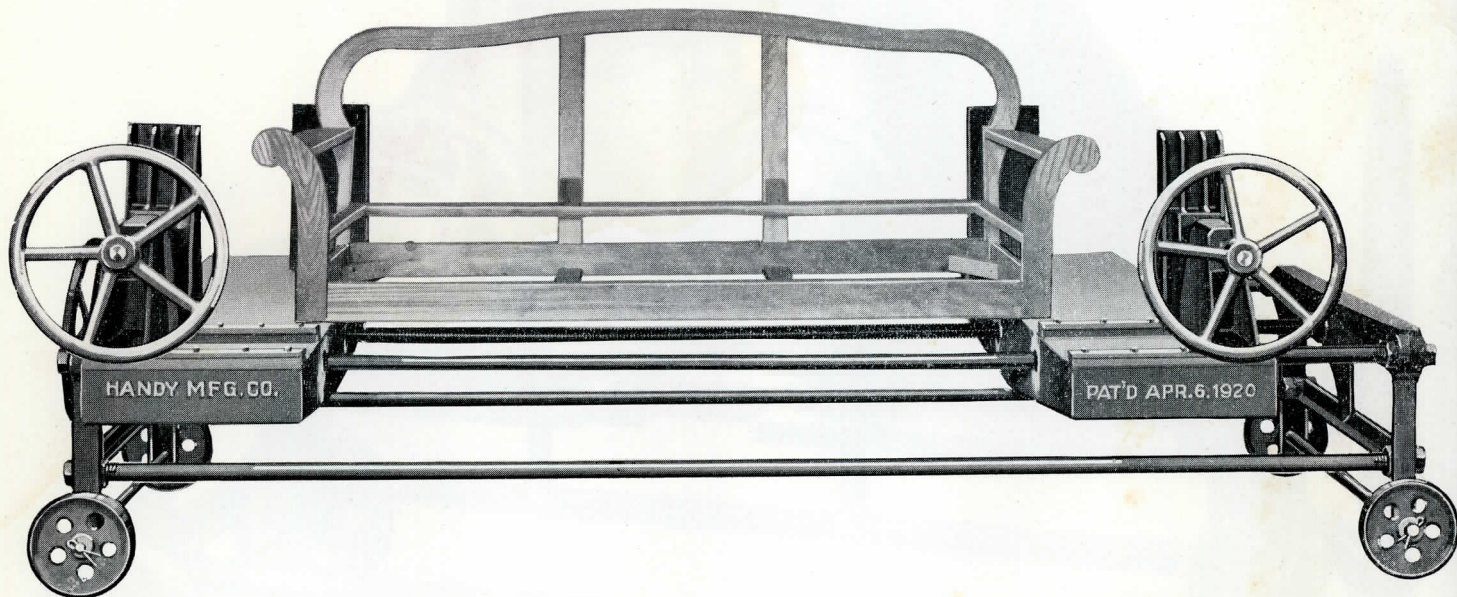
## All Steel and Iron Sofa or Davenport Clamp No. 62



Clamp illustrated on this and opposite page was designed to fill a steadily increased demand for improved method of clamping overstuffed sofa or Davenport frames in various lengths. It is adjustable to any length frame up to 86" by simply revolving the end wheel which operates the 1½" diameter cold rolled screw, running the entire length of clamp and brings the two tables with clamp fixtures close together or all the way apart. The two tables have large holes cut thru to allow for back legs, dropping below surface. Surface of tables is 24" from floor, 18" wide and long enough to take sofa 34" deep. Back stop plates mounted at rear end of tables are 15½" high and 8" wide. Front pressure plates are 18" high and 6" wide and pressure is applied with 17" diameter wheels.



## All Steel and Iron Sofa or Davenport Clamp No. 62



### DESCRIPTION CONTINUED FROM OPPOSITE PAGE

As stated, the wheel at end of clamp is for length adjustment only. The pressure plate fixtures are mounted so as to slide out of the way to enable operator to remove sofa and place the next one without undue exertion, so all the work can be done from the wide open front, including the nailing and blocking. On account of the 18" width of tables, the entire surface being planed, extra fixtures can easily be mounted to enable clamp to accommodate special shapes of frames. Clamp can also be furnished to take larger sofas if desired.

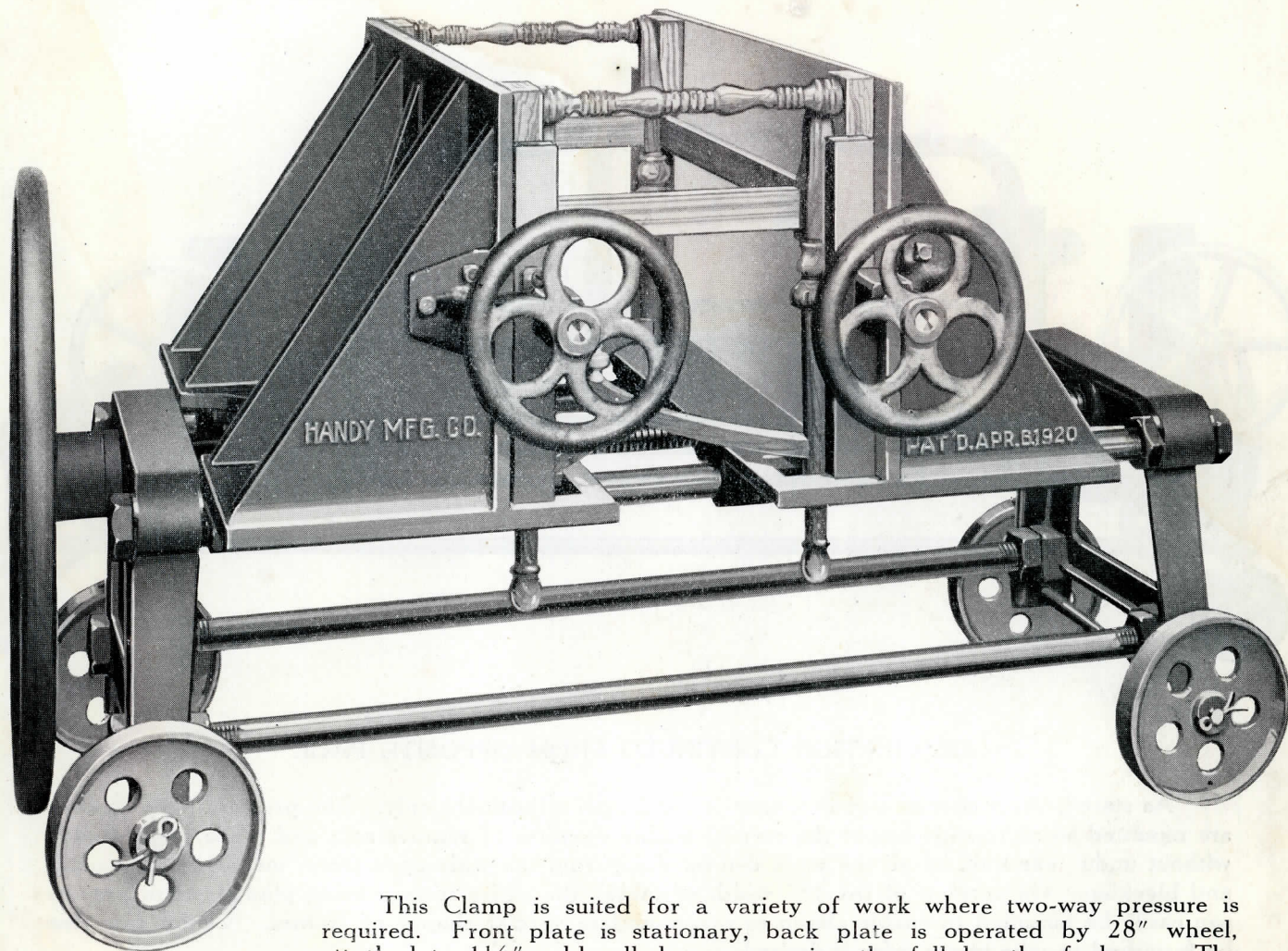
Weight 1400 lbs.

Machine No. 62

Price \$325.00



## All Steel and Iron Settee or Bench Seat Clamp No. 52



This Clamp is suited for a variety of work where two-way pressure is required. Front plate is stationary, back plate is operated by 28" wheel, attached to 1½" cold rolled screw running the full length of clamp. The clamp plates are 17" high and 30" wide and standard opening between plates is 24", but we will furnish to open up more if specified. Height from surface of plates to floor is 24". Holes are cut in surface plates to accommodate special high work as shown in cut, but are not furnished unless specified and measurements given. Side pressure screws are 1" diameter and wheels are 9" diameter.

Weight 1000 lbs.

Machine No. 52

Price \$290.00



OUR PRICES ARE MADE F. O. B. CHICAGO

---

**WE GUARANTEE:** Our patents and customers  
will be protected to the fullest extent of the law.  
We guarantee all clamps and will readily exchange or repair  
where break is caused by imperfect or faulty manufacture.  
Prices subject to change without notice.





## **"HANDY" PRODUCTS**

---

are guaranteed. They save you labor and are figured on a basis to give you the most for the money.

¶ We are constantly increasing our line. If this catalogue does not list your wants, write us, we may have it.

¶ Ask us NAMES of FACTORIES near YOU using "HANDY" PRODUCTS.

**CLAMPING MACHINERY**

**VENEER PRESSES**

**AND**

**CLAMPS**